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[Vol. XXIV, no. 1]

Eastern Kentucky State Teachers College Richmond, Kentucky

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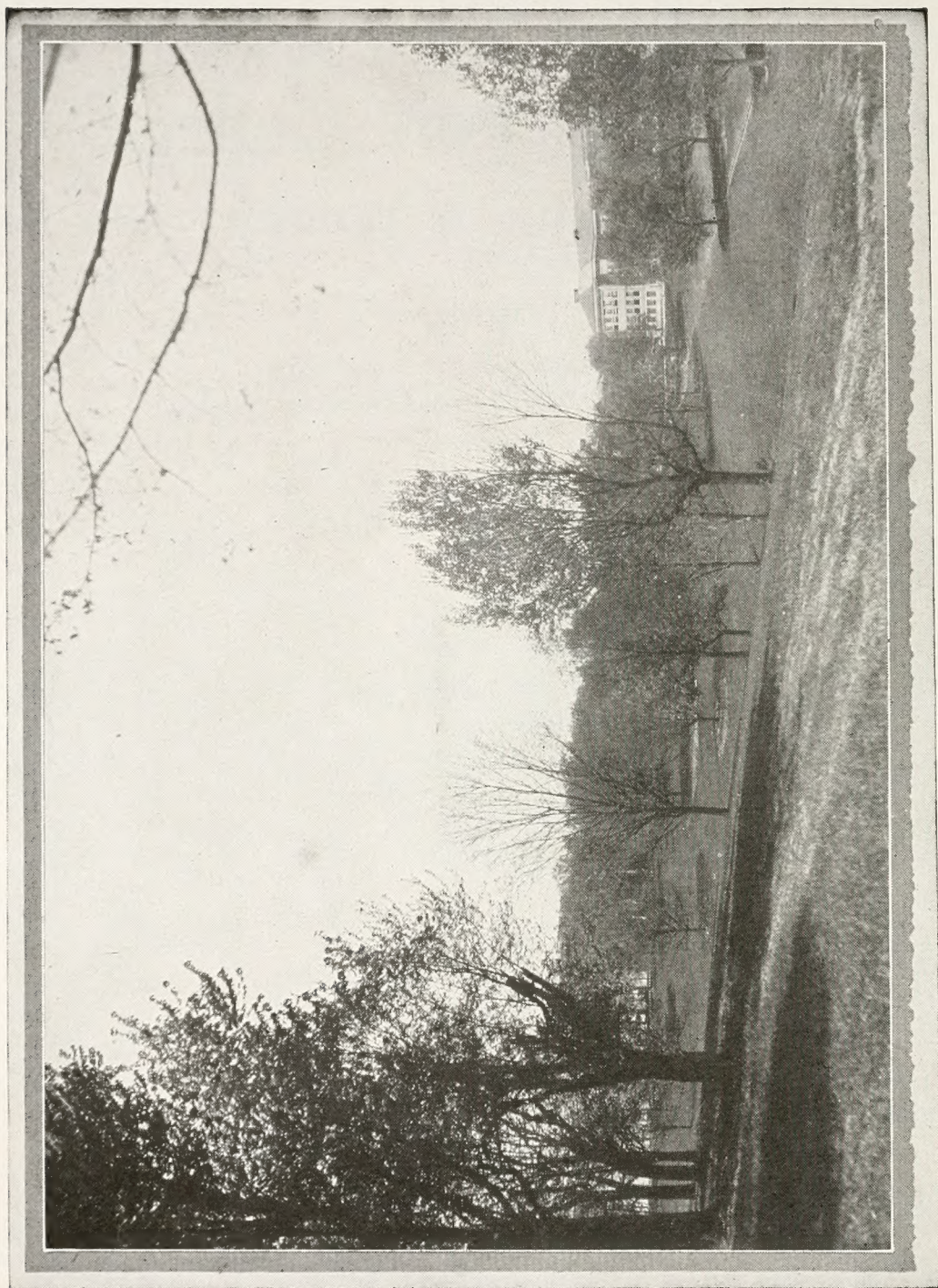
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools



THE
SUMMER SCHOOL
1930

First Term, June 2-July 11

Second Term, July 14-August 22



LOOKING WEST ACROSS THE CAMPUS

BULLETIN
EASTERN KENTUCKY STATE TEACHERS
COLLEGE
RICHMOND, KENTUCKY

CALENDAR

Summer School 1930

June 2—First summer term opens
June 2—Entrance examinations
June 3—Class work begins
June 4—Last day to register for full load
June 7—Last day to register for credit
June 28—Class work to make up for July 4
July 4—Independence Day. No class work
July 11—First term closes
July 14—Second summer term opens
July 14—Entrance examinations
July 15—Class work begins
July 16—Last day to register for full load
July 19—Last day to register for credit
August 22—Second summer term closes

IMPORTANT FOR PROSPECTIVE STUDENTS.

1. Make room reservation early.
2. Have high school credits forwarded to the college by your high school principal.
3. Enter on time.



A MAGNIFICENT SCENE ON THE KENTUCKY RIVER NEAR RICHMOND

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Term Expires 1932

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Maude Gibson	Art
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Gertrude M. Hood, A. B., A. M.	Physical Welfare
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Arnim Dean Hummell, B. S., M. S., Ph. D.	Physics
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Edna Zellhoefer, A. B., A. M.	English

EASTERN NORMAL SCHOOL FACULTY

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Evelyn Slater, B. S.	Home Economics

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Hallie Day Bach, A. B., B. S.	Assistant Librarian
Marian Leatherman, A. B., B. L. S., A. M.	Assistant Librarian
Bess Moore	Assistant Librarian
Elizabeth Simkins, A. B., B. S.	Assistant Librarian

ADMINISTRATIVE STAFF

G. M. Brock, Business Agent
E. P. McConnell, Bookkeeper
Katherine Morgan, Secretary to the President
Helen W. Perry, Secretary to Business Agent
Kerney Adams, Director of Extension
Maye M. Waltz, Secretary to Dean
Inez McKinley, Assistant Bookkeeper
Augusta Daugherty, Cashier
Frankie DeBoe, Stenographer, Business Office
Elizabeth Dunigan, Secretary to Registrar
Mildred Quisenberry, Stenographer, Normal School Office
Mayme Cooper, Assistant to Director of Extension

Lois Colly, Stenographer, Extension Division

Eunice Wingo, Secretary to Dean of Women and Supervisor of
Sullivan Hall

Fred Ballou, Book Store Clerk

Marjorie Coates, Assistant Registrar's Office

Ruby Sears, Stenographer, Registrar's Office

Mary Sullivan, Housekeeper, Sullivan Hall

Mrs. T. J. Coates, Housekeeper and House Mother, Burnam Hall

W. A. Ault, Superintendent, Power Plant, Building and Grounds

Edna White, Registered Nurse

Edith L. McIlvain, Supervisor of Cafeteria

R. H. Matherly, Assistant in Cafeteria

Mrs. Bessie Griggs, Information Clerk

GENERAL INFORMATION

EXPENSES—BOARDING AND ROOMS

ROOMS FOR MEN STUDENTS

Memorial Hall and New Stateland Hall are the men's dormitories. These two dormitories will accomodate about 200 men. Memorial Hall is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. This building was decorated throughout last summer.

Rooms in New Stateland are completely equipped, steam heated and are equally as desirable as those in Memorial Hall. Most rooms accommodate two students, a few, three students.

The institution maintains at all times a list of Richmond homes offering rooms for men students. Information concerning these rooms will be furnished on request.

ROOMS FOR WOMEN STUDENTS

Burnam Hall and Sullivan Hall are the women's dormitories. These dormitories will accommodate 478 women students. Practically all rooms in these dormitories are two-student rooms but there are a few corner rooms to which three students are assigned. Rooms in Sullivan Hall and Burnam Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. All rooms in New Burnam Hall have private baths for each suite of two rooms.

Young women are expected to room on the campus when attendance does not exceed the capacity of the dormitories, unless for special reasons they are granted permission by the President to room elsewhere.

ARTICLES TO BE FURNISHED BY STUDENTS

Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furn-

ish two pairs of pillow cases, three sheets, spreads and comforters or blankets, towels, soap and runners for table and dresser.

RATE OF ROOM RENT IN DORMITORIES

The rate of room rent for rooms in Eastern's dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private baths rent at a higher rate than rooms in Sullivan, Memorial and New Stateland Halls, where central baths rooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water.

The rate of rent in Sullivan Hall is \$1.25 to \$1.50 a week, and in Burnam Hall \$1.50 to \$2.50 a week for each student. The \$2.50 rooms are on the front side of New Burnam, most other rooms in New Burnam are \$2.00 a week. The rate of rent in Memorial Hall and New Stateland, the men's dormitories, is \$1.50 to \$2.00 a week for each student. The \$2.00 rooms are choice corner rooms in Memorial Hall.

In making application for rooms, students should indicate the price of room preferred.

ROOM DEPOSIT OF \$3.00

A deposit of \$3.00 is required for each occupant of dormitory rooms to guarantee the proper care of room and furnishings. The whole, or such part of this fee as may be due after deduction for damage is made, will be refunded to the student upon termination of his stay in school when deposit receipt is approved for refund by the Dean of Women or the Dean of Men as the case may be. The \$3.00 room deposit is included in the \$5.00 room reservation fee which is paid by the student when room is reserved.

HOW TO APPLY FOR A ROOM RESERVATION IN THE DORMITORIES

Students wishing to engage rooms either in the dormitories or in town should write the Business Agent for "Application for Admission Card" which should be filled out and

returned promptly. These applications are filed in the order of their dates and in that order dormitory assignments are issued.

When the student receives a dormitory assignment a fee of \$5.00 should be mailed to the Business Agent within ten days to make the reservation permanent. The \$5.00 reservation fee includes the \$3.00 room deposit which is required of all occupants of dormitory rooms as a guarantee of the proper care of room and furnishings. (See information concerning Room Deposit on page —). The remaining \$2.00 of the reservation fee is applied toward the payment of room rent when the student registers and is deducted from the amount due for rent.

Do not send a reservation fee until you have received a dormitory assignment.

Assignments to dormitories are made by the Business Agent. Assignments to definite rooms are made by the Dean of Women or the Dean of Men, as the case may be, on or before the student's entrance.

The holder of a reservation may receive the refund of the fee by request in writing not later than ten days before the opening of the semester for which reservation is made.

Room reservations are void if not claimed by 12:00 o'clock midnight of Monday of the opening of the term and the fee is forfeited. Room reservations are not transferable.

RULES CONCERNING WOMEN STUDENTS RESIDING IN PRIVATE HOMES

During those terms when the attendance exceeds the capacity of the dormitories the school maintains a list of private homes which agree to take student roomers under conditions and rates accepted by landladies and the school. All young girls, except those whose homes are in Madison County, are required to room in one of the homes listed.

Students should not engage rooms or board before ascertaining from the school that the landlady's name is on the list. The fact that students have roomed or boarded at a home during some previous year is not necessarily a guarantee that the home is at present on the list. Women students desiring to

room with relatives or friends should notify the Dean of Women of such intention as early as possible before coming to secure the school's approval if it can be given.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the school.

ROOMS FOR MARRIED COUPLES AND FAMILIES

Among the Richmond homes offering rooms to students many have facilities for light housekeeping, and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that the best possible arrangements may be made.

BOARD

Board is provided in the beautiful new cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office at all times and may be purchased as needed. The average cost of board is about \$4.50 a week.

Men and women students occupying rooms on the campus are **positively required** to take their meals at the college cafeteria. They are expected to pay for four cafeteria coupon books in advance at the beginning of each six-week summer term.

These ticket books contain coupons good for \$5.00 in board. A payment of \$19.00 will be required in advance at the opening of each six-week summer term, for which the student will receive four coupon books good for \$20.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no rent will be refunded.

THE INCIDENTAL FEE

Each student pays an incidental fee of \$2.50 for each summer term. This is not a matriculation or enrollment fee, but is to cover admission to regular athletic games, admission to the lecture and fine arts courses, and entertainments, the library fee, free subscription to the "Eastern Progress," the student newspaper, and contingent expenses.

The incidental fee is paid by all students and is not refunded. After the first two registration days, late registrants must pay \$1.00 additional fee. It pays to be on time.

EXPENSE BUDGET FOR A SIX-WEEK TERM

Board—six weeks @ \$4.75	\$28.50
Room rent—six weeks	\$9.00 to 15.00
Incidental fee	2.50
Books and supplies (average)	10.00
<hr/>	
Total necessary expenses	\$50.00 to \$56.00

Expenses of students rooming off the campus will be \$55.00 to \$60.00 depending upon the rate of room rent paid.

Tuition is FREE to Kentuckians. Non-residents of Kentucky are required to pay \$1.50 a week tuition.

Room rent in the dormitories, the incidental fee and other fees are payable in advance for each term. Students occupying dormitory rooms pay \$19.00 cafeteria board in advance.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. J. D. Farris, A. M., M. D., college physician. Students have the privilege of consulting Dr. Farris for medical advice and attention at all times. The physicians office, located in the Administration building, is fully equipped. Regular office hours are maintained and students are urged to take advantage of this special service. All students, whether living in

the dormitories or off the campus, are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body.

SPECIAL REDUCED RAILROAD RATES

Kentucky students, and students residing in Cincinnati, Ohio, or Jellico, Tennessee, attending either or both terms of Eastern's summer school are entitled to receive the benefit of special reduced railroad fare by a special arrangement with the officials of the railroad companies.

This special fare for the round trip from your home to Richmond and return is equivalent to one and a half regular fares—a saving of a half fare.

To purchase this reduced fare ticket the student must present to the ticket agent when ticket is purchased an **Identification Certificate** obtainable from the college. These Identification Certificates are sent to all prospective students. If you have not received yours, write for it.

CERTIFICATES ISSUED ON WORK EARNED AT EASTERN KENTUCKY STATE TEACHERS COLLEGE

The College Elementary Certificate is issued upon the completion of a minimum of sixteen semester hours earned in residence in the State Teachers College issuing the certificate. This work must include education three hours, English three hours, and arithmetic two hours. The College Elementary Certificate may be reissued upon the completion of a minimum of sixteen additional hours, eight of which must be earned in residence in the State Teachers College reissuing the certificate. This certificate may be reissued from time to time after the first reissuance, provided, the holder has earned a minimum of sixteen additional hours, at least twelve hours of which in each case must be earned in residence in the institution issuing the certificate.

The Standard Certificate is issued upon the completion of a minimum of sixty-four semester hours of prescribed and elective work, forty-eight hours of which must be earned in residence and at least thirty-two semester hours of which must

be earned in residence in the State Teachers College issuing the certificate. The minimum departmental requirements for the Standard Certificate are as follows:

	Hours
Agriculture	2
Art	1
Education	12
English	9
Geography	3
Health	2
Mathematics	2
Music	1
Physical Education	1
Science	6
Social Science	6

This certificate shall be reissued or renewed, upon application within eight years after date of issue, for life after three years of successful teaching; credit for two years of prescribed and elective standard college work or any part thereof, may be accepted in lieu of the same length of time of successful teaching experience. The holder of this certificate may have the same reissued or renewed, after expiration, by a Board of Regents of a State Teachers College upon completion of at least sixteen additional semester hours of prescribed and elective standard college work, at least twelve hours of which must be earned in residence in the State Teachers College re-issuing or renewing same.

A College Certificate, valid for five years in any Public School of the Commonwealth, shall be issued to an applicant by a Board of Regents of a State Teachers College upon completion of at least one hundred twenty-eight semester hours of prescribed and elective standard college work, at least ninety-six semester hours of which must be earned in residence and at least thirty-two semester hours of which must be earned in required residence of thirty-six weeks in the State Teachers College issuing the certificate.

SPECIAL FEATURES OFFERED

Summer Excursions from Richmond

Kentucky is rich in historic lore and scenic beauty. In order that the students of Eastern may become thoroughly

conversant with the historic lore, the geographic beauty, and the economic development of the region within a two-hundred mile radius of Richmond, the College offers the students of the Summer School a splendid program of field trips and excursions. These trips will be offered on Saturdays of both summer terms under the direction of Dr. L. G. Kennamer of the Department of Geography and Geology in cooperation with other members of the college staff.



CUMBERLAND FALLS

These trips will be of a study-travel nature; brief visits will be made to points of scenic, industrial, historical, and academic interest in Central and Eastern Kentucky. Striking physical phenomena, geologic structures, physiographic processes, and typical species of flora and fauna are observed with the view of advancing the practical training and instructional efficiency of teachers of Kentucky, who have the privilege to live in a country amid marvelous scenic grandeur and unique natural wonders. In studying the historic facts surrounding the state and national shrines of Kentucky and observing the natural beauties and economic developments of the State, teachers receive benefits of a practical value and in addition doubtless receive cultural and recreational training.

The college fosters these trips with the belief that this training is of fundamental importance to all students interested in the solution of the large problems now before the citizens of Kentucky. The development of the highest type of citizenship as a goal necessitates a knowledge of the geographic environment and its influence upon human affairs, a knowledge of the State and of how Kentuckians make a living, and a knowledge of the economic principles and their application to the state and



NATURAL BRIDGE

national problems. Teachers of Kentucky must see and understand the beauties, the needs and the potentialities of Kentucky.

The work of the summer school is **intensive**. Most courses meet five times a week and some meet even more frequently. Many students who take a full load in summer school after a nerve-wracking and strenuous year teaching find the drain upon their mental and physical strength too great for the most efficient work. To alleviate this tendency and to promote a better understanding of the geographic and historic wealth of Kentucky, Eastern offers through its Saturday excursions and field trips opportunities for relaxation and enjoyment to both students and faculty. The working schedule of the campus

activities has been planned so that those who take advantage of these excursions at week-ends may do so without detriment to their regular work. The Saturday excursions conducted last year under the supervision of the Department of Geography and Geology proved both instructive and enjoyable features of these sessions.

The excursions have had increasing success each year. The parks and attractions of Kentucky are making a more



CUMBERLAND GAP

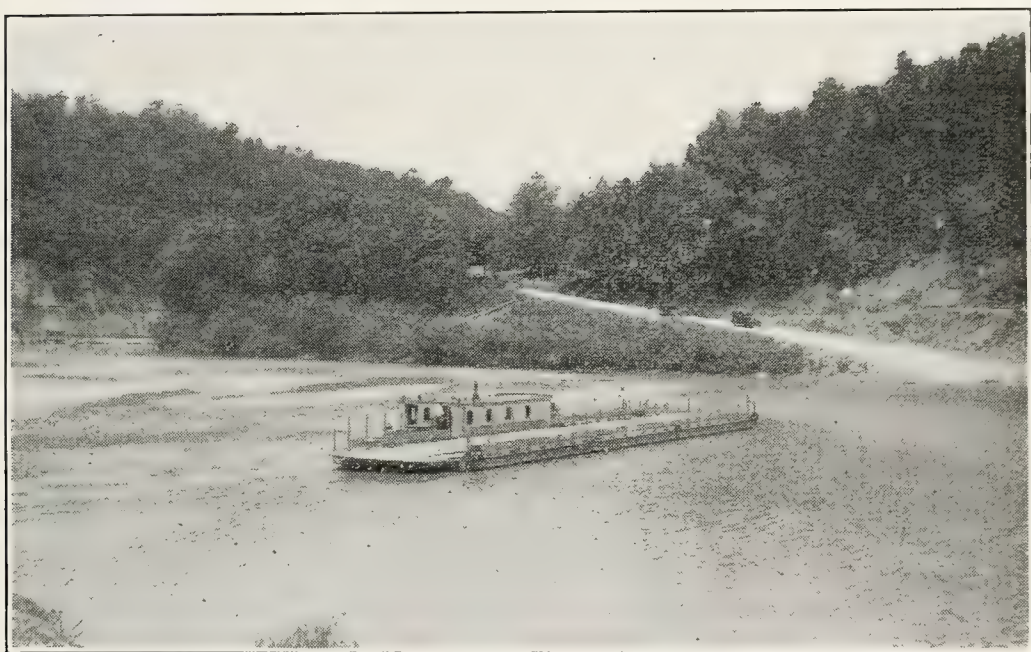
vibrant appeal to students. The lure of a vacation at regular intervals in your summer work has attracted more and more students each summer. No college in the State has better advantages than Eastern—favored by a fortunate geographical location. It is the college where the Mountains and the Blue Grass meet.

All parties are provided with capable, careful chaperones. A handy first-aid kit with well-stocked medicine chest is provided to care for the individual well-being of the party.

The proposed Itinerary—

June 7	Cumberland Falls
June 14	Chautauqua Week, no trip

June 21	Natural Bridge
June 28	No Trip—Teach that day to make up for July 4
July 4, 5 6	Mammoth Cave Trip
July 11, 12	Cumberland Gap and Creech's Coal Mine
July 19	End of First Summer Term—no trip
July 26	The Blue Grass Trip
August 2	Barge Trip on the Kentucky River
August 9	Special trip to Cincinnati Zoo, Glass Works, Newport Steel Mills, Rookwood Potteries and Ivorydale
August 16	Cumberland Falls



BOONESBORO—TWELVE MILES FROM RICHMOND

THE CHAUTAUQUA

The Redpath Chautauqua will present a seven-day program consisting of music, lectures, plays and entertainment on Eastern's campus during the summer school. The Chautauqua is scheduled for June 7 to 14. Season tickets at special reduced rates will be provided for students.

A children's hour is conducted each morning in connection with the Chautauqua which is a worthwhile feature and of particular interest to teachers interested in primary work. The Chautauqua brings to Eastern some of the foremost talent on the American lyceum platform. All students may attend the Chautauqua as the programs are scheduled in the late

afternoon and evening, and the children's hour program is given at the regular assembly period in the forenoon.

PUBLIC PROBLEMS COURSE

One of the outstanding features of the first summer term will be the new Public Problems Course. Beginning on June 9, we shall have four of America's leading educators—Dr. A. L. Kohlmeier, of Indiana University; Dr. F. A. Ogg, University of Wisconsin; Dr. J. S. Reeves, University of Michigan; Dr. W. W. Pierson, of the University of North Carolina. Dr. Kohlmeier will speak on Current American Affairs; Dr. Ogg on Oriental Affairs; Dr. Reeves on Foreign Affairs; and Dr. Pierson on Latin-American Affairs.

There will be twenty lectures in the course. Each speaker will speak five times, once in chapel and four times to the special group taking the course. The group lectures will be given at eleven o'clock in the morning and at two o'clock in the afternoon.

This course will be open to juniors and seniors, and perhaps to a few sophomores and freshmen. Arrangement must be made with the Head of the Department by those who wish to take the course. It should appeal especially to those who are majoring or minoring in social science, and those juniors and seniors interested in this unusual course dealing with current world political affairs.

One hour of credit will be given to those registered for the course who attend the lectures and keep such notes on the course as may be required by the head of the department. A test will probably be given at the end of the second week, covering the twenty lectures.

Students of this special lecture course will be given a new insight into some of the great world questions, problems and events. We have probably never had on our campus for such a series of lectures four men as outstanding as these four. Each is a teacher of years of experience, an author of undoubted merit, of international standing and a leader in his field.

LECTURE SUBJECTS—PUBLIC PROBLEMS COURSE

June 9-10: **Dr. Frederic A. Ogg**, University of Wisconsin

1. Problems of the Pacific (chapel).
2. China and Her Unequal Treaties.
3. The Chinese Nationalist Party and Government.
4. Is Japan Going Democratic?
5. Cross Currents in Manchuria.

June 12-13: **Dr. Jesse Siddall Reeves**, University of Michigan

1. Disarmament (chapel).
2. Paraguay-Bolivia Dispute.
3. Codification of International Law.
4. Recent Developments in Latin-America.
5. World Peace and Unstable Governments in Europe.

June 16-17: **Dr. A. L. Kohlmeier**, Indiana University

1. Facts and Beliefs in History, (chapel).
2. The American Tariff Controversy.
3. American Radicalism.
4. Federal Encroachment upon State Authority.
5. The American Nationalistic Spirit.

June 19-20: **Dr. William Whatley Pierson**, University of North Carolina

1. Five Ages of Inter-American Relations (chapel).
2. The United States and the Caribbean.
3. Relations of the United States and Mexico.
4. The United States and Southern South America.
5. Political and Cultural Influences of the United States in Latin-America, or Latin-America, the United States and the League of Nations.

DR. ALBERT LUDWIG KOHLMEIER

Dr. A. L. Kohlmeier, Head of the History Department, Indiana University, Bloomington. A. B. 1908, Indiana University; A. M. 1911, Harvard; Ph. D. 1920. Harvard. He possesses the honors of Phi Beta Kappa and Phi Delta Kappa. He is author of: The Commercial Relations of the United States



DR. A. L. KOHLMEIER

and the Netherlands and of Commerce and Politics in the Old Northwest before the Civil War.

Dr. Kohlmeier has traveled extensively. At one time or another he has visited most of the countries of Europe, and knows his history and government, not only as a reader, but also as an observer and close student. He has spoken before meetings of the American Historical Association, Mississippi Valley Historical Association, the Illinois Historical Society, Kentucky Education Association (history section), Southern Illinois Teachers Association and the Indiana Historical Society.

DR. JESSE SIDDALL REEVES

Dr. Jesse Siddall Reeves, Professor of Political Science of the University of Michigan. B. S. 1891, Amherst; Ph. D. 1894, Johns Hopkins. He has had an interesting career. He was a practicing lawyer in Richmond, Indiana from 1897 to 1907. He was captain in the Air Service, 1917-18.



DR. JESSE S. REEVES

He is author of *International Beginnings of Congo Free State*, *Napoleonic Exiles in America*, *American Diplomacy Under Tyler and Polk*, *La Communaute Internationale*, besides various reviews and articles in magazines. He has lectured in the following institutions: Women's College, Baltimore, 1893-94; Johns Hopkins, 1905-06; Dartmouth, 1907-10; Chicago, summer quarter, 1917. He is a member of the Board of Advisers, Institute of Politics, Williamstown, Massachusetts, and a round table leader for it. He lectured before the Academy of International Law, the Hague, 1924, besides many other high honors.

DR. FREDERIC AUSTIN OGG

Dr. Frederic Austin Ogg, Professor of Political Science, University of Wisconsin. Ph. B. 1899, De Pauw University; A. M. 1900, Indiana University; Ph. D. 1908, Harvard University. He is a very prolific author. Among his chief works are, *Saxon and Slav*, *The Opening of the Mississippi*, *A Source*



DR. FREDERICK A. OGG

Book of Medieval History, Social Progress in Contemporary Europe; Governments of Europe, Life of Daniel Webster, Economic Development of Modern Europe, National Progress (American Nation Series), The Old Northwest, Reign of Andrew Jackson, National Governments and the World War (with C. A. Beard), Introduction to American Government (with P. O. Ray).

He has lectured and taught at Harvard, 1903-08; Boston University and Simmons College, 1905-09; and was Associate Professor of History, Simmons College, 1909-13. Since 1914, he has been connected with the Political Science Department of the University of Wisconsin, and since 1917 he has been Professor of Political Science there, and since 1925 has been chairman of the graduate division of social studies.

He is, like these other lecturers of our summer course, a member of most of the great History and Political Science Associations.



DR. WILLIAM W. PIERSON

DR. WILLIAM WHATLEY PIERSON, JR.

Dr. William Whatley Pierson, Professor of History and Government, University of North Carolina. Ph. B. 1908, State Normal College, Troy, Alabama; A. M. 1912, Columbia; Ph. D. 1916, Columbia. He has taught and lectured as follows: Assistant in History, Columbia, 1914-15; Instructor in History in University of North Carolina, 1915-17, Assistant Professor U. N. C., 1917-18, Associate Professor U. N. C., 1918-20, Head of the Department since 1920.

He held the Kenan travelling professorship (South America and Spain) 1924-25 and is a member of the board of editors of the *Hispanic American Historical Review*. He is a member of the American Historical and American Political Science Association, and author of: *Texas V. White* (a study in legal history), *American Ideals* (with N. Foerster), *Hispanic American History, A Syllabus*, *Studies in Hispanic American History*.



DR. HUGH McLELLAN

HUGH McLELLAN, A. M., LL. D.

Dr. Hugh McLellan of Winchester, Kentucky, a recognized authority on the literature of Great Britain and America, will offer a series of eight lectures extending through the entire summer school.

Dr. McLellan is a native of Australia and came to America at the age of nineteen. In his lectures the literature of Scotland will be given special attention.

TEACHERS COLLEGE

ADMISSION TO THE TEACHERS COLLEGE

Candidates for admission to the Teachers College must have on file in the Registrar's Office at time of registration, an official transcript from an accredited high school showing a minimum of fifteen units of acceptable work. The fifteen units must include a minimum of three units in English, one unit in algebra and one unit in plane geometry. The other ten units must be from the group listed below.

Candidates for admission to the Teachers College who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All candidates who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met.

ENTRANCE SUBJECTS

The credit offered for admission to the Teachers College must be taken from the list of subjects given below. The numbers indicate the amount that may be offered in each subject.

English	3 to 4	Domestic Science	½ to 3
Algebra	1 to 2	French	1 to 3
Plane Geometry	1	German	1 to 3
History	½ to 3½	Spanish	1 to 3
Greek	1 to 3	Chemistry	½ to 1
Latin	1 to 4	Physics	½ to 1
Civil Government	½	Physical Education	½ to 1
Botany	½ to 1	Commercial Geography	½ to 1
Solid Geometry	½	Arithmetic	½ to 1
Trigonometry	½	Bookkeeping	½ to 1
Physical Geography ..	½ to 1	Manual Training	½ to 1
Zoology	½ to 1	Drawing	½
Psychology or		Physiology	½ to 1
Pedagogy	½ to 1	General Science	½ to 1
Political Economy	½	Stenography	½ to 1
Agriculture, General ..	½ to 3	Mechanical Drawing ..	½ to 1
Biology	½ to 1		

SYSTEM OF GRADING

All grades are reported in letters on a five-point scale; highest, A; next highest B; middle group, C; next lowest groups, D and Z; lowest group F. The following is the interpretation placed upon the grading:

A—Excellent, valued at 3 points for each semester hour.

B—Good, valued at 2 points for each semester hour.

C—Average, valued at 1 point for each semester hour.

D—Poor, gives no points but gives credit toward certificate or degree if with such credits the student's standing is 1 or more.

I—Incomplete.

Z—Conditioned.

F—Failure, valued at 0 points for each semester hour.

The grades A, B, C, D, F, cannot be changed by an instructor. Each grade of I is changed by the instructor when the work has been completed. The grade of Z shall represent an attainment inferior to that of "D" and shall not entitle the pupil to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of D or higher, the Z shall be changed automatically to a grade of D. The standing of a student is defined as the ratio of his total number of points to his total number of hours. For any certificate of college rank or for a degree a student must offer a number of grade points at least as great as the number of semester hours.

Attendance at Commencement

All students who are candidates for the Standard Certificate and those who are candidates for a degree are required to participate in the commencement exercises unless excused by the President.

The Students Load in Teachers College

In a summer term of six weeks the usual load is six semester hours; the maximum is seven, and the maximum for two

summer terms in the same year is fourteen semester hours. The student who is above average in ability to carry work and in normal health should register for a normal load. The very superior student with normal health may, with a good record already established, carry the maximum load. The student with ability below average, or in poor health, should register for less than the usual load.

Training School. The Training School is maintained on the campus as a model elementary and junior high school. It occupies all of Cammack building. There are nine training teachers and about two-hundred and thirty pupils. The Training School is the center of the professional work of the institution. It provides opportunities for observation by classes in both theory and professionalized subject matter courses. It is also the laboratory where student teaching is done.

The first consideration in the management of the school is to make of it a good school of itself. To the extent that children receive the best possible educational opportunities, to that extent is the Training School valuable to the State in the training of teachers. Modern methods of teaching are demonstrated and opportunity is given for the development of such skills, techniques and controls as are considered essential for those taking out the Standard Certificate or a degree.

Since the Training School is in session for only a ten months school year, its facilities for student teaching are limited during the first summer term of the college. Therefore student teaching can be given during the first summer term to a limited number and is restricted to those who have been unable to attend during the two preceding semesters and who are compelled to have this work in order to receive the Standard Certificate of a degree. It is recommended that all who can should take student teaching during the nine months school year, and that others should reserve a place by letter if they must have the work in the summer term.



ANOTHER VIEW OF EASTERN'S FIFTY-ACRE BLUE GRASS CAMPUS

EASTERN KENTUCKY STATE TEACHERS COLLEGE
COLLEGE SCHEDULE—FIRST SUMMER TERM

No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
AGRICULTURE							
1	Feeds and Feeding	7	Daily	Univ.	6	2	Mr. Gumbert
3	Market and Milk.....	2	MWF	Roark	15	2	Mr. Carter
	Laboratory	1, 2	TT				
3	General Agriculture	5	Daily	Univ.	6	2	Mr. Gumbert
3	General Agriculture	8	Daily	Univ.	6	2	Mr. Gumbert
ART							
1	Public School Art.....	6	Daily	Adm.	1	2	Miss Gibson
1	Public School Art.....	7	Daily	Adm.	1	2	Miss Gibson
1	Art Appreciation	4	Daily	Adm.	1	2	Miss Gibson
BIOLOGY							
1	General Biology, Lecture.....	4	MWF	Roark	16	4	Mr. Rumbold
	Quiz, Section 1.....	2	TT	Roark	16		Mr. Rumbold
	Quiz, Section 2.....	4	TT	Roark	16		Mr. Rumbold
	Laboratory, Section 1.....	1, 2	Daily	Roark	10		Miss Pearson
	Laboratory, Section 2.....	5, 6	Daily	Roark	10		Miss Pearson
	Laboratory, Section 3.....	7, 8	Daily	Roark	10		Mr. Rumbold
1	Nature Study	7	Daily	Roark	16	2	Miss Pearson
5	Genetics	6	Daily	Roark	16	2	Mr. Rumbold
CHEMISTRY							
1	General Chemistry, Lecture..	2	Daily	Roark	11	4	Mr. Cox
	Laboratory, Sec. 1.....	5, 6	Daily	Roark	2		
	Laboratory, Sec. 2.....	7, 8	Daily	Roark	2		
5	Organic Chemistry, Lecture..	1	Daily	Roark	11	4	Mr. Cox
	Laboratory	5, 6	Daily	Roark	2		
1	Adv. Quantitative Anal., Lec.	7	Daily	Roark	11	4	Mr. Cox
	Laboratory	1, 2	Daily	Roark	1		
COMMERCIAL EDUCATION							
5	Beginning Shorthand	1	Daily	Adm.	5	2	Miss Ford
2	Prin. of Accountancy, Lec.	2	Daily	Adm.	5	4	Mr. Richards
	Laboratory	6, 7	Daily	Adm.	5		
	Elementary Penmanship	4	Daily	Adm.	5	1	Mr. Richards
2	Advanced Penmanship	4	Daily	Adm.	5	1	Mr. Richards
	Beginning Typewriting	4	Daily	Adm.	6	2	Miss Ford
2	Advanced Typewriting	2	Daily	Adm.	6	2	Miss Ford
5	Business Law	1	Daily	Adm.	23	2	Mr. Moore
EDUCATION							
2	Introduction to Teaching.....	1	Daily	Roark	20	2	Mrs. Tyng
2	Introduction to Teaching.....	5	Daily	Adm.	38	2	Mr. Engle
2	Introduction to Teaching.....	6	Daily	Adm.	38	2	Mr. Engle
2	Introduction to Teaching.....	7	Daily	Adm.	25	2	Mr. Mattox

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COLLEGE SCHEDULE—FIRST SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
EDUCATION—Continued.							
111	Psychology for Teachers in the Primary Grades.....	7	Daily	Adm.	A	2	Mrs. Case
111	Psychology for Teachers in the Upper Grades.....	6	Daily	Adm.	22	2	Mrs. Case
114	Child Psychology	4	Daily	Adm.	7	2	Mr. Kirkpatrick
121	School and Community Mgt.	8	Daily	Adm.	38	2	Mr. Engle
212	Psychol. of Elem. Sch. Subj.	7	Daily	Adm.	7	2	Mr. Cuff
221	Tests and Measurements.....	4	Daily	Adm.	9	2	Mr. Cuff
224	The Cons. Sch. Principal.....	1	Daily	Adm.	9	2	Mr. Ferrell
251	Rural School Supervision.....	4	Daily	Adm.	22	2	Mr. Payne
252	County Sch. Administration.....	6	Daily	Roark	17	2	Mr. Payne
255	Office Administration.....	8	Daily	Adm.	22	2	Mr. Payne
262	Observation and Method (For Primary Teachers)....	2	Daily	Adm.	A	2	Mr. Edwards
262	Observation and Method (For Upper Gr. Teachers)	4	Daily	Roark	17	2	Mr. Edwards
262	Observation and Method (For Rural Teachers).....	2	Daily	Adm.	C	2	Mrs. Case
304	Prin. of Secondary Education	7	Daily	Adm.	9	2	Mr. Ferrell
315	Adv. Educational Psychology	2	Daily	Adm.	9	2	Mr. Cuff
341	The Elem. School Curriculum	6	Daily	Adm.	9	2	Mr. Ferrell
361	Teaching of General Science	4	Daily	Roark	11	2	Mr. Cox
263	Supervised Student Teaching			To be arr'd	5		Mr. Edwards
ENGLISH							
101	Oral and Written Composit'n	1	Daily	Adm.	22	2	Mr. Clark
101	Oral and Written Composit'n	1	Daily	Adm.	38	2	Miss Zellhoefer
101	Oral and Written Composit'n	6	Daily	Adm.	23	2	Miss Neely
102	Oral and Written Composit'n	2	Daily	Adm.	38	2	Miss Zellhoefer
102	Oral and Written Composit'n	6	Daily	Adm.	37	2	Miss Buchanan
102	Oral and Written Composit'n	6	Daily	Adm.	2	2	Mr. Kirkpatrick
161	Literature for Prim. Grades.....	7	Daily	Adm.	22	2	Miss Neely
163	Fundamentals of Speech.....	4	Daily	Adm.	37	2	Miss Buchanan
164	Reading in the Elem. School	4	Daily	Roark	20	2	Mrs. Tyng
164	Reading in the Elem. School	2	Daily	Adm.	37	2	Miss Buchanan
164	Reading in the Elem. School	7	Daily	Roark	20	2	Mrs. Tyng
211	English Literature	7	Daily	Adm.	2	2	Mr. Kirkpatrick
215	Nineteenth Century Prose.....	5	Daily	Adm.	22	2	Mr. Clark
263	Play Coaching	1	Daily	Adm.	37	2	Miss Buchanan
301	Advanced Composition	2	Daily	Adm.	22	2	Mr. Clark
312	Contemporary Drama	7	Daily	Adm.	38	2	Miss Zellhoefer
314	The Novel	2	Daily	Adm.	23	2	Miss Neely
365	The Teaching of Literature in the High School.....	6	Daily				
		2	Daily	Adm.	38	2	Miss Zellhoefer
FOREIGN LANGUAGES							
		4	Daily				
108	Selections from Horace.....			Roark	14½	2	Miss Pollitt
112	Legacy of Greece.....			Roark	14½	2	Miss Pollitt
121	Intensive Study of First Year Latin	4	Daily	Roark	14½	2	Miss Pollitt
151	Elementary French	1	Daily	Roark	12½	2	Mrs. Murbach
153	French Civilization	4	Daily	Roark	12½	2	Mrs. Murbach
251	Intermediate French	2	Daily	Roark	12½	2	Mrs. Murbach

COLLEGE SCHEDULE—FIRST SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs. Credit		Instructor
	GEOGRAPHY & GEOLOGY						
01	Principles of Geography.....	1	Daily	Roark	24	2	Miss McKinney
01	Principles of Geography.....	5	Daily	Roark	24	2	Miss McKinney
01	Physical Geography and Geol.	4	Daily	Roark	24	2	Mr. Kennamer
72	Geography of Europe.....	8	Daily	Roark	24	2	Miss McKinney
73	Geography of Latin America	6	Daily	Roark	24	2	Mr. Kennamer
61	Materials and Methods in the Teaching of Geography	7	Daily	Roark	24	2	Miss McKinney
77	Conservation of the Natural Resources	2	Daily	Roark	24	2	Mr. Kennamer
	HANDWRITING						
00	Handwriting	1	Daily	Univ.	1	0	To be supplied
00	Handwriting	6	Daily	Univ.	1	0	To be supplied
	HOME ECONOMICS						
01	Food Study and Cookery.....	1, 2	Daily	Sul.	1	2	Miss Burrier
11	Garment Making	1, 2	Daily	Sul.	2	2	Miss Dix
01	Dietetics	5, 6	Daily	Sul.	2	2	Miss Burrier
24	Household Equipment	4	Daily	Sul.	2	2	Miss Burrier
31	Home Nursing	4	Daily	Sul.	1	2	Miss Dix
16	Tailoring	6, 7	Daily	Sul.	1	2	Miss Dix
	INDUSTRIAL ARTS						
41	Elementary Cabinet Making..	6, 7	Daily	I. A. Bldg.	2		Mr. Deniston
65	Industr'l Arts for Pri. Grades	2	Daily	Univ.	2	1	Mrs. Hume
65	Industr'l Arts for Pri. Grades	4	Daily	Univ.	2	1	Mrs. Hume
91	Elem. Mechanical Drawing....	1, 2	Daily	I. A. Bldg.	2		Mr. Deniston
01	Projects in Industrial Arts	By	Appt.				Mr. Deniston
44	Elementary Wood Turning....	By	Appt.				Mr. Deniston
45	Advanced Wood Turning.....	By	Appt.				Mr. Deniston
49	Wood Finishing & Decorat'n	By	Appt.				Mr. Deniston
81	Auto Mechanics	8, 9	Daily	I. A. Bldg.	2		Mr. Deniston
92	Elementary Machine Drawing	1, 2	Daily	I. A. Bldg.	2		Mr. Deniston
99	Lettering	4	Daily	I. A. Bldg.	1		Mr. Deniston
	LIBRARY SCIENCE						
66	Library Methods	4	{ MWF }	Library	1		Miss Simkins
66	Library Methods	4	{ WF }	Library	1		Miss Simkins
			{ TT }				
			{ MTT }				
60	Library Administration	6	Daily	Library	2		Miss Simkins
61	Cataloging and Classification	2	Daily	Library	2		Miss Bach
63	Reference and Bibliography..	7	Daily	Library	2		To be supplied
	MATHEMATICS						
00	Fundamentals of Arithmetic	5	Daily		0		To be assigned
00	Fundamentals of Arithmetic	8	Daily		0		To be assigned

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COLLEGE SCHEDULE—FIRST SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs. Credit		Instructor
MATHEMATICS—Cont.							
107	College Algebra	4	Daily	Roark	21	2	Mr. Caldwell
161	Arithmetic for Prim. Grades	6	Daily	Roark	22	2	Mr. Caldwell
161	Arithmetic for Prim. Grades	2	Daily	Roark	22	2	Mr. Caldwell
162	Arithmetic for Teachers of One-room Rural Schools....	7	Daily	Roark	22	2	Mr. Park
163	Arithmetic for Upper Grades	1	Daily	Roark	22	2	Miss Lowry
163	Arithmetic for Upper Grades	2	Daily	Roark	21	2	Miss Lowry
213	Trigonometry	6	Daily	Roark	21	2	Miss Lowry
232	Analytic Geometry	1, 5	Daily	Roark	21	4	Mr. Park
MUSIC							
131	Part Singing	7	Daily	Adm.	B	1	Miss Bronson
161	Music for Rural Schools.....	2	Daily	Adm.	B	1	Miss Bronson
162	Music for Primary Grades.....	5	Daily	Adm.	A	1	Mr. Van Peurse
163	Music for Intermed. Grades..	1	Daily	Adm.	A	1	Mr. Van Peurse
235	Conducting Instrumental Music	6	Daily	Adm.	C	1	Miss Campbell
271	Music Appreciation	6	Daily	Adm.	B	2	Miss Telford
276	History and Development of Musical Instruments	5	Daily	Adm.	C	2	Miss Campbell
278	History of Music	4	Daily	Adm.	B	2	Miss Telford
221	Voice	(To be arranged)					Miss Bronson
213	Piano	(To be arranged)					Miss Telford
PHYSICAL WELFARE							
100	Personal Hygiene for Women	6	Daily	Adm.	7	2	Dr. Farris
101	Sanitary Science	1	Daily	Roark	17	2	Miss Hood
101	Sanitary Science	2	Daily	Roark	5	2	Mr. McDonough
101	Sanitary Science	4	Daily	Roark	15	2	Mr. Carter
213	Natural Dancing	2	Daily	Adm. Stage		1	Miss Hood
263	Coaching Baseball	6	Daily	Gym.		1	Mr. Hughes
264	Coaching Football	4	Daily	Gym.		1	Mr. Hughes
265	Coach. Track & Field Sports	7	Daily	Roark	5	1	Mr. McDonough
303	Adv. Sanitary Science, Lec.. Laboratory	6	TT	Roark	15	2	Mr. Carter
		6, 7	MWF	Roark	15		
365	Materials and Methods for Teaching Health Education Recreation (Required of all Fresh. and Soph.)	1	Daily	Roark	5	2	Mr. McDonough
		(To be arranged)				¼	Miss Hood
PHYSICS							
201	Mechanics and Heat..... Laboratory	5	Daily	Roark	17	4	Mr. Hummell
		6, 7	Daily	Roark	19		
303	Advanced Heat	2	Daily	Roark	17	2	Mr. Hummell
SOCIAL SCIENCE							
102	American History	5	Daily	Adm.	25	2	Mr. Keith
103	American History	8	Daily	Adm.	25	2	Mr. Dorris
111	American Government	4	Daily	Adm.	25	2	Mr. Dorris

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EASTERN KENTUCKY STATE TEACHERS COLLEGE

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Course No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
	SOCIAL SCIENCE—Cont.						
21	Economics	7	Daily	Adm.	23	2	Mr. Moore
22	Principles of Economics.....	2	Daily	Adm.	7	2	Mr. Moore
61	Amer. History for Teachers of Primary Grades.....	2	Daily	Adm.	2	2	Miss Floyd
61	Amer. History for Teachers of Primary Grades.....	5	Daily	Adm.	2	2	Miss Floyd
22	Practical Economic Problems	4	Daily	Adm.	23	2	Mr. Moore
05	History of American West....	6	Daily	Adm.	25	2	Mr. Dorris
06	History of American South....	2	Daily	Adm.	25	2	Mr. Keith
61	An Elective Course in Ken- tucky History	1	Daily	Adm.	25	2	Mr. Keith
	Institute of Public Affairs.....	{ 11:00-12:00 } { 2:00- 3:00 }				1	Mr. Keith

COLLEGE SCHEDULE—SECOND SUMMER TERM

	AGRICULTURE						
163	General Agriculture	4	Daily	Univ.	6	2	Mr. Gumbert
241	Agriculture Economics	7	Daily	Univ.	6	2	Mr. Gumbert
243	Rural Sociology	6	Daily	Roark	15	2	Mr. Carter
347	Farm Management	2	Daily	Univ.	6	2	Mr. Gumbert
	ART						
161	Public School Art	5	Daily	Adm.	1	2	Miss Gibson
252	Drawing and Painting.....	1, 2	Daily	Adm.	1	2	Miss Gibson
	BIOLOGY						
21	General Biology, Lec.	4	Daily	Roark	16	4	Mr. Rumbold
	Laboratory	1, 2	Daily	Roark	10		
381	Animal Physiology	6	Daily	Roark	16	4	Mr. Rumbold
	Laboratory	7, 8	Daily	Roark	10		
	CHEMISTRY						
211	General Chemistry	1	Daily	Roark	11	4	Mr. Cox
	Laboratory	5, 6	Daily	Roark	1		
212	Inorganic Chemistry	2	Daily	Roark	11	4	Mr. Cox
	Laboratory	5, 6	Daily	Roark	2		
313	Physiological Chemistry	4	Daily	Roark	11	4	Mr. Cox
	Laboratory	7, 8	Daily	Roark	1		
	COMMERCIAL EDUCATION						
116	Advanced Shorthand	5	Daily	Adm.	5	2	Miss Ford
223	Advanced Accountancy	4	Daily	Adm.	5	4	Mr. Richards
	Laboratory	1, 2	Daily	Adm.	5		
151	Typewriting	4	Daily	Adm.	6	2	Miss Ford

36 EASTERN KENTUCKY STATE TEACHERS COLLEGE
COLLEGE SCHEDULE—SECOND SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
	COMMERCIAL EDUC.—Con.						
152	Typewriting	7	Daily	Adm.	7	2	Miss Ford
201	Business English	6	Daily	Adm.	5	2	Mr. Richards
206	Business Law	1	Daily	Adm.	23	2	Mr. Moore
209	Business Organization	6	Daily	Adm.	23	2	Mr. Moore
	EDUCATION						
102	Introduction to Teaching.....	1	Daily	Roark	20	2	Mrs. Tyng
102	Introduction to Teaching.....	2	Daily	Adm.	9	2	Miss Wingo
111	Psychology for Teachers in the Primary Grades.....	2	Daily	Adm.	7	2	Miss Lingenfelse
111	Psychology for Teachers in the Upper Grades	4	Daily	Cammack	2	2	Mr. Cuff
212	Psychol. of Elem. Sch. Subj.	5	Daily	Cammack	2	2	Miss Wingo
221	Tests and Measurements.....	4	Daily	Roark	17	2	Mr. Edwards
252	County Sch. Administration..	2	Daily	Adm.	2	2	Mr. Ferrell
262	Observation and Method (For Primary Teachers)....	1	Daily	Cammack	2	2	Miss Hansen
262	Observ. and Method (Prim.)	6	Daily	Cammack	2	2	Miss Lingenfelse
262	Observation and Method (For Upper Grades).....	6	Daily	Roark	17	2	Mr. Edwards
303	Principles of Education.....	2	Daily	Adm.	9	2	Mr. Cooper
304	Prin. of Secondary Education	7	Daily	Adm.	9	2	Mr. Ferrell
313	Psychol. of the High School Subjects	4	Daily	Adm.	9	2	Mr. Ferrell
322	Public School Finance.....	2	Daily	Adm.	23	2	Mr. Moore
331	History of Education.....	8	Daily	Roark	17	2	Mr. Edwards
	ENGLISH						
101	Oral and Written Composit'n	7	Daily	Adm.	38	2	Miss Zellhoefer
102	Oral and Written Composit'n	2	Daily	Adm.	37	2	Miss Neely
161	Literature for Prim. Grades..	7	Daily	Cammack	2	2	Miss Hansen
163	Fundamentals of Speech.....	6	Daily	Adm.	37	2	Miss Buchanan
164	Reading in the Elem. School	2	Daily	Roark	20	2	Mrs. Tyng
212	English Literature	5	Daily	Adm.	38	2	Miss Zellhoefer
213	American Literature	6	Daily	Roark	20	2	Mrs. Tyng
217	Contemporary Literature	5	Daily	Adm.	37	2	Miss Neely
302	Argumentation	8	Daily	Adm.	22	2	Mr. Clark
311	The Drama	2	Daily	Adm.	38	2	Miss Zellhoefer
313	World Literature	4	Daily	Adm.	22	2	Mr. Clark
321	Romantic School of Poets.....	1	Daily	Adm.	22	2	Mr. Clark
322	Victorian Poets	1	Daily	Adm.	38	2	Miss Neely
324	Medieval Story	2	Daily	Adm.	22	2	Mr. Clark
335	Interpretative Reading	4	Daily	Adm.	37	2	Miss Buchanan
	FOREIGN LANGUAGE						
152	Elementary French	1	Daily	Roark	12½	2	Mrs. Murbach
153	French Civilization	2	Daily	Roark	12½	2	Mrs. Murbach
252	Intermediate French	7	Daily	Roark	12½	2	Mrs. Murbach

COLLEGE SCHEDULE—SECOND SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
GEOGRAPHY & GEOLOGY							
221	Economic Geography of the Industries	2	Daily	Roark	24	2	Miss McKinney
271	Geography of North America	4	Daily	Roark	24	2	Miss McKinney
371	Geography of World Prob'ns	5	Daily	Roark	24	2	Mr. Kennamer
374	Geography & Geology of Ky.	7	Daily	Roark	24	2	Mr. Kennamer
HANDWRITING							
000	Handwriting	1	Daily	Univ.	1	0	Mr. Richards
000	Handwriting	7	Daily	Univ.	1	0	Mr. Richards
HOME ECONOMICS							
101	Food Study and Cookery.....	1, 2	Daily	Sul.	2	2	Miss Burrier
111	Garment Making	1, 2	Daily	Sul.	1	2	Miss Dix
112	Dressmaking	6, 7	Daily	Sul.	1	2	Miss Dix
222	The House	5, 6	Daily	Sul.	2	2	Miss Burrier
INDUSTRIAL ARTS							
141	Elementary Cabinet Making..	6, 7	Daily	I. A. Bldg.	2		Mr. Deniston
165	Industr'l Arts for Pri. Grades	2	Daily	Univ.	2	1	Mrs. Hume
165	Industr'l Arts for Pri. Grades	4	Daily	Univ.	2	1	Mrs. Hume
191	Elem. Mechanical Drawing....	1, 2	Daily	I. A. Bldg.	2		Mr. Deniston
201	Projects in Industrial Arts....	By	Appt.				Mr. Deniston
242	Advanced Cabinet Making and Mill Work	6, 7	Daily	I. A. Bldg.	2		Mr. Deniston
244	Elementary Wood Turning....	By	Appt.				Mr. Deniston
245	Advanced Wood Turning	By	Appt.				Mr. Deniston
249	Wood Finishing & Decorat'n	By	Appt.				Mr. Deniston
294	Elem. Architectural Drawing	1, 2	Daily	I. A. Bldg.	2		Mr. Deniston
299	Lettering	4	Daily	I. A. Bldg.	1		Mr. Deniston
LIBRARY SCIENCE							
166	Library Methods	4	{ MWF }	Library	1		Miss Simkins
166	Library Methods	4	{ WF }	Library	1		Miss Simkins
365	Special Collections	2	{ TT }	Library	2		Miss Bach
367	Library Book Selections.....	6	{ MTT }	Library	2		Miss Simkins
369	Student Literature	7	Daily	Library	2		To be supplied
MATHEMATICS							
161	Arithmetic for Prim. Grades	6	Daily	Roark	22	2	Mr. Caldwell
163	Arithmetic for Upper Grades	1	Daily	Roark	22	2	Mr. Park
207	College Algebra	2	Daily	Roark	21	2	Mr. Park
214	Trigonometry	2	Daily	Roark	22	2	Mr. Caldwell
241	Use of Statistics and Graphs	1	Daily	Adm.	7	2	Mr. Cuff
267	Teach. of High School Math.	4	Daily	Roark	22	2	Mr. Caldwell

COLLEGE SCHEDULE—SECOND SUMMER TERM—Continued.

Course No.	SUBJECT	Period	Day	Room	Hrs.	Credit	Instructor
MUSIC							
162	Music for Primary Grades....	6	Daily	Adm.	A	1	Mr. Van Peursem
163	Music for Intermed. Grades..	7	Daily	Adm.	A	1	Mr. Van Peursem
271	Music Appreciation	5	Daily	Adm.	B	2	Miss Campell
276	History and Development of Musical Instruments	2	Daily	Adm.	B	2	Miss Campell
278	History of Music	4	Daily	Adm.	B	2	Miss Telford
221	Voice	(To be arranged)					Miss Bronson
213	Piano	(To be arranged)					Miss Telford
PHYSICAL WELFARE							
100	Personal Hygiene for Women	6	Daily	Adm.	7	2	Dr. Farris
101	Sanitary Science	2	Daily	Roark	15	2	Mr. Carter
101	Sanitary Science	4	Daily	Adm.	23	2	Miss Hood
102	First Aid to the Injured.....	1	Daily	Roark	5	1	Mr. McDonough
114	Scouting and Clubcraft.....	8	MTT	Roark	5	2	Mr. McDonough
	Laboratory	7, 8	WF	Roark	5		
213	Natural Dancing	2	Daily	Adm. St'ge	1		Miss Hood
221	History of Physical Educat'n	2	MWF	Roark	5	1	Mr. McDonough
261	Coaching Basketball for Men	7	Daily	Gym.		1	Mr. Hughes
262	Coach. Basketball for Women	6	Daily	Gym.		1	Miss Hood
269	Physical Training Activities..	4	Daily	Roark	5	1	Mr. McDonough
301	Applied Physiology	6	MWF	Roark	5	2	Mr. McDonough
	Laboratory	6, 7	TT	Roark	5		
304	Bacteriology of Foods.....	7	MWF	Roark	15	2	Mr. Carter
	Laboratory	7, 8	TT	Roark	15		
	Recreation (Required of all Fresh. and Soph.).....	(To be arranged)					Miss Hood
						1/4	Mr. McDonough
PHYSICS							
202	Electricity, Magnetism, Sound and Light.....	5	Daily	Roark	17	4	Mr. Hummell
	Laboratory	6, 7	Daily	Roark	19		
304	Adv. Electricity & Magnetism	2	Daily	Roark	17	2	Mr. Hummell
SOCIAL SCIENCE							
102	American History	4	Daily	Adm.	25	2	Mr. Keith
103	American History	5	Daily	Adm.	25	2	Mr. Dorris
111	American Government	1	Daily	Adm.	25	2	Mr. Dorris
161	Amer. History for Teachers of Primary Grades.....	6	Daily	Adm.	2	2	Miss Floyd
231	Sociology	8	Daily	Adm.	25	2	Mr. Dorris
321	American Economic History..	7	Daily	Adm.	23	2	Mr. Moore
341	English History	2	Daily	Adm.	25	2	Mr. Keith

SCHEDULE OF NORMAL SCHOOL CLASSES—FIRST SUMMER TERM, 1930

Course No.	SUBJECT	Period	Day	Room	Units	Instructor
	COMMERCIAL EDUCATION					
5	Shorthand	2-7		Univ.	5 ½	Miss Gill
1	Bookkeeping	4-5		Univ.	5 ½	Miss Gill
1	Typing	1-6		Adm.	6 ½	Miss Gill
	EDUCATION					
1	School Management	2-4		Univ.	8 ½	Mr. Walker
	ENGLISH					
5	Word Study	1-6		Univ.	7 ½	Mr. Grise
1	Public Speaking	2-8		Univ.	10 ½	Miss Bell
1	Amer. Literature (First half)	4-7		Univ.	10 ½	Miss Bell
6	Eng. Literature (Last half) ..	5-8		Univ.	7 ½	Mr. Grise
	HOME ECONOMICS					
2	Advanced Sewing	4-11:20		Sullivan	½	Miss Slater
1	Household Problems	2-6		Sullivan	½	Miss Slater
	MATHEMATICS					
2	Algebra	5-7		Univ.	8 ½	Miss Hughes
1	Arithmetic	1-6		Univ.	9 ½	Mr. Bryant
1	Plane Geometry	1-6		Univ.	8 ½	Miss Hughes
2	Plane Geometry	2-8		Univ.	9 ½	Mr. Bryant
	SOCIAL SCIENCE					
2	Amer. History (Sec. Part) ..	2-6		Univ.	11 ½	Mr. Burns
3	English History	4-7		Univ.	11 ½	Mr. Burns

SCHEDULE OF NORMAL SCHOOL CLASSES—SECOND SUMMER TERM, 1930

	EDUCATION					
1	Elementary Psychology	2-4			½	Mr. Walker
	ENGLISH					
1	Public Speaking (Reading and Expression)	1-6			½	Mr. Grise
2	Amer. Literature (2nd half)	2-7			½	Miss Lee
5	English Literature (1st half)	4-8			½	Miss Lee
	MATHEMATICS					
2	Plane Geometry	1-6			½	Miss Rush
1	Arithmetic 1	2-5			½	Miss Rush

SCHEDULE OF NORMAL SCHOOL CLASSES—SECOND SUMMER TERM—Continued

Course No.	SUBJECT	Period	Day	Room	Units	Instructor
01	PHYSICAL WELFARE Physiology and Health.....	1-6			½	Miss Hughes
	SOCIAL SCIENCE					
01	American History	2-7			½	Miss Hughes
43	English History	4-7			½	Mr. Grise

Eastern Kentucky
State Teachers College
Richmond, Kentucky

CATALOG 1930-31



E A S T E R N K E N T U C K Y R E V I E W

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Calendar 1930-1931

1930	1931	1931
SEPTEMBER	JANUARY	MAY
S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 A A 21 BC D 24 25 26 27 28 E 30	S M T W T F S 1 2 3 4 K 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 L 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 V W
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NOVEMBER	MARCH	JULY
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DECEMBER	APRIL	AUGUST
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 J 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 R S T 9 10 11 12 U 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 j 29 30 31

Calendar 1930-1931

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| <p>A (September 19-20) Freshman enrollment.</p> <p>B (September 22) First semester opens.</p> <p>C (September 22) Entrance examinations.</p> <p>D (September 23) Class work begins.</p> <p>E (September 29) Last day to register for a full load.</p> <p>F (October 10) Football-Murray S. T. C. Classes dismiss at 2:00 P. M.</p> <p>G (October 14) Last day to register for credit.</p> <p>H (October 31) Football-Morehead S. T. C. Classes dismiss at 2:00 P. M.</p> <p>I (November 27) Thanksgiving day. Holiday.</p> <p>J (December 19-4:00 P. M.) Christmas recess begins.</p> <p>K (January 5) Class work resumes.</p> <p>L (January 30) First semester closes.</p> <p>M (February 2) Second semester opens.</p> <p>N (February 2-3) Entrance examinations.</p> <p>O (February 4) Class work begins.</p> <p>P (February 9) Last day to register for full load.</p> | <p>Q (February 24) Last day to register for credit.</p> <p>R (April 6) Mid-semester registration.</p> <p>S (April 7) Class work begins.</p> <p>T (April 8) Last day to register for full load.</p> <p>U (April 13) Last day to register for credit.</p> <p>V (May 30) Memorial Day. Holiday.</p> <p>W (May 31-June 4) Commencement season.</p> <p>X (June 3) Commencement.</p> <p>Y (June 8) First Summer Term opens.</p> <p>Z (June 8) Entrance examinations.</p> <p>a (June 9) Class work begins.</p> <p>b (June 10) Last day to register for a full load.</p> <p>c (June 13 A. M.) Last day to register for credit.</p> <p>d (July 17) First Summer Term closes.</p> <p>e (July 20) Second Summer Term opens.</p> <p>f (July 20) Entrance examinations.</p> <p>g (July 21) Class work begins.</p> <p>h (July 22) Last day to register for a full load.</p> <p>i (July 25 A. M.) Last registration for credit.</p> <p>j (August 28) Term closes.</p> |
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SCHOOL ORGANIZATION

BOARD OF REGENTS

W. C. BELL

State Superintendent of Public Instruction, Ex-Officio Chairman

ATTORNEY GENERAL J. W. CAMMACK, Owenton, Kentucky.

Term Expires 1932

HON. C. F. WEAVER, Ashland, Kentucky

Term Expires 1932

HON. N. U. BOND, Berea, Kentucky

Term Expires 1934

HON. H. D. FITZPATRICK, Prestonsburg, Ky.

Term Expires 1934

OFFICERS OF THE BOARD

W. C. BELL, Chairman

C. F. WEAVER, Second Vice-Chairman

KATHERINE MORGAN, Secretary

EXECUTIVE COMMITTEE

HON. R. E. TURLEY, Treasurer

HON. W. C. BELL

PRESIDENT H. L. DONOVAN

NORMAL EXECUTIVE COUNCIL

HON. W. C. BELL

Ex-Officio President of the Council

H. H. CHERRY

President of Western Teachers College, Vice-President of the Council

H. L. DONOVAN

President of Eastern Teachers College

College Faculty

H. L. DONOVAN, A. B., M. A., Ph. D.

President

Diploma, Western Kentucky Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., Peabody College; rural teacher, one year; elementary school principal, Paducah, Ky., three years; superintendent of schools Wickliffe, Ky., two years; assistant superintendent of schools, Louisville, Ky., five years; army psychologist, one year; superintendent of schools, Catlettsburg, Ky., one year; dean of faculty, Eastern Teachers College, two years; professor of elementary education, Peabody College, three years; author, *A State's Elementary Teacher Training Problem*; co-author, *Supervision and Teaching of Reading*.

HOMER E. COOPER, A. B., A. M., Ph. D.

Dean of the Faculty

A. B., West Virginia University; A. M., Columbia University; Ph. D., Columbia University; rural teacher, four years; village supervising principal, three years; superintendent of Point Pleasant, West Virginia, four years; superintendent Bluefield, West Virginia, four years; head, Extramural Instruction Department and instructor educational administration, University of Pittsburgh, three years; head, Extramural Instruction Department and assistant professor educational administration, one year; superintendent, Maryland Casualty Company Training School, Baltimore, two years; present position since 1924; made following school surveys; villages and cities of Nassau County, New York, 1916; Saint Paul, Minnesota, 1917; Philadelphia, 1920; Kittanning, Pennsylvania, 1920; Maysville, Kentucky, 1927; author, *Cost of Training Teachers*.

KERNEY M. ADAMS, A. B., A. M.

Director of Extension

Diploma, Eastern Kentucky State Normal School and Teachers College; A. B., University of Kentucky; A. M., Cornell University; additional graduate work, Cornell University; teacher, rural school of Kentucky; teacher of history, Altoona High School, Pennsylvania, two years; present position, 1928.

MARY L. ADAMS, B. S., A. M.

Critic, Home Economics

B. S., University of Kentucky; A. M., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University; teacher, Home Economics, Lebanon High School; critic in Home Economics, University of Kentucky Extension Work and Georgetown High School, two years; teacher, Domestic Science

and Domestic Art, Sullins College, Bristol, Virginia, one year; present position 1930.

HALLIE DAY BACH, A. B., B. S.

Assistant Librarian

A. B., University of Kentucky; B. S., Pratt Institute, Brooklyn, N. Y.; student assistant, University of Kentucky Library; assistant, Girls' High School, Brooklyn, N. Y.; assistant, Morris High School, New York City; present position 1929.

MAURINE MAYE BRONSON, B. Mus.

Music

Carleton College, one year; B. Mus., Northwestern University Conservatory of Music; voice under Alta Miller; piano under Mark Wessel; composition and theory with Carl Beecher; operatic coaching under Oscar Saenger, New York; pupil of Madam Yvonne Caurso, Paris, France, and Herbert Witherspoon, Chicago; instructor of voice and director of music, Carr-Burdette College, two and one-half years; instructor of voice, Greenbrier College, one year; present position since January 1930.

G. O. BRYANT, A. B., A. M.

Critic, Mathematics

Life certificate, Western Kentucky State Normal School; A. B., and A. M., University of Kentucky; rural teacher, six years; principal, graded and high schools, Cottonwood, Illinois, four years; Milburn, Kentucky, one year; Gracey, Kentucky, four years; county high school, Casey County, Kentucky, five years; present position since 1924.

PEARL L. BUCHANAN, A. B., M. A.

English

A. B., South Western University; one semester graduate work, University of Oklahoma; one semester graduate work, Northwestern University; M. A., George Peabody College for Teachers; two years head of English Department, State Preparatory School, Claremore, Oklahoma; four years teacher of speech and dramatics, Senior High School, Muskogee, Oklahoma; one semester assistant instructor in reading, State Normal, Ada, Oklahoma; Present position since 1923; author, following articles in educational periodicals: A Program of Speech Instruction for the Secondary School; Dramatics in the High School; Lighting the School Play.

VIRGIL BURNS, A. B., A. M.

Critic, Social Science

Diploma, Western Kentucky State Normal School and Teachers College; ten months, training in Bowling Green Business University; A. B., University of Kentucky; A. M., Columbia University; rural teacher, three years; principal Golden Pond Graded School, Trigg County, one year; superintendent, Kuttawa city schools, four years; present position since 1924.

MARY KING BURRIER, B. S., M. S.**Home Economics**

Diploma, Hamilton College; B. S., M. S., University of Kentucky; Columbia University, two summer terms of graduate work: home demonstration agent, Bourbon County, Kentucky, six months; supervision of home economics, Fayette County, Kentucky, one and one-half years; home economics and science teacher, Pikeville College, one and one-half years, home economics and science teacher, Midway High School, four years, present position since 1925.

C. E. CALDWELL, A. B., B. S., A. M.**Mathematics**

B. S., National Normal University; A. B., Marietta College; A. M., Ohio State University; two years graduate work, Ohio State University; superintendent, accredited schools, Ohio, eleven years; instructor in mathematics, Marietta College, summer sessions; present position since 1912.

JANE CAMPBELL, A. B., A. M.**Music**

Bachelor of Music degree, Taylor University; A. B., Eastern Indiana State Normal School; graduate work, Eastern Indiana State Normal School; A. M., Columbia University; teacher of public school music, Taylor University, one year; teacher of music, Central High School, Indiana, four years; music critic, Eastern Indiana State Normal School, two years; present position, 1926.

KATIE CARPENTER, A. B.**Principal, Rural Practice School**

A. B., Eastern Kentucky State Normal School and Teachers College; rural teacher Mercer County, nine years; supervisor of rural schools, Mercer County, two and one half years; teacher of mathematics and science, Harrodsburg Graded School, two years; critic teacher in rural school, Morehead State Normal School and Teachers College, two and one-half years; present position since 1926.

ASHBY B. CARTER, B. S.**Agriculture and Sanitary Science**

Diploma, George Peabody College for Teachers; student University of Richmond, University of Virginia, Virginia Mechanics Institute; graduate student, George Peabody College for Teachers, Teachers College, Columbia University, University of Kentucky, rural teacher Virginia schools, two years; high school principal Virginia schools, two years; teacher of agriculture and manual training, Tennessee High School, four years; present position since 1920. Contributor to agricultural journals.

MRS. EMMA YOUNG CASE, A. B., M. A.**Education**

Student, University of Kentucky; A. B., Eastern Kentucky State Normal School and Teachers College; M. A., Peabody College for Teachers; rural teacher, two years; graded school teacher, two years; teacher, Tucumcari City School, Tucumcari, New Mexico, one year;

principal, high schools in Kentucky, four years; present position since 1925.

ROY B. CLARK, A. B., A. M., Ph. D.

English

Diploma, State Normal School, Kearney, Nebraska; A. B., University of Nebraska; A. M., Columbia University; Ph. D., Columbia University; rural teacher, one year; principal of ten grade village school, Homer, Nebraska, four years; superintendent of standard twelve grade school, Sutherland, Iowa, one-half year; assistant professor of English, State Normal School, Chadron, Nebraska, seven and one-half years; professor of English, State Normal College, Natchitoches, Louisiana, two years; lecturer in English, Columbia University, one semester; instructor in English, New York University, one year; head of English Department Jamestown College, Jamestown, North Dakota, two years; present position since 1926.

KATHERINE CONROY, A. B.

Critic, Sixth Grade

A. B., University of Kentucky; one summer term of graduate work, University of Wisconsin; three summer terms graduate work, University of Kentucky; teacher in English, La Grange High School; principal, Ormsby Village School, five years; present position since September 1929.

ANNA ALICE COX, B. S., M. A.

Critic, Fifth Grade

Diploma, Southwest Missouri State Teachers College; student, Peabody College for Teachers; B. S., M. A., Teachers College, Columbia University; teacher, elementary schools, Joplin, Missouri, three years; teacher, public schools, Highlands, New Jersey, one year; public schools, Kansas City, Missouri, two years; public schools, Ocean-side, Long Island, New York, one year; present position since 1930.

MEREDITH J. COX, B. S., A. M.

Chemistry

Diploma, Warren Academy; B. S. and A. M., Peabody College for Teachers; two semesters additional graduate work, Columbia University and University of Wisconsin; principal, Hodgenville High School, two years; instructor in science and athletic coach, Mt. Sterling High School; instructor in science and coach, Hattiesburg High School, two years; professor of chemistry, Berea College, one year; present position since 1924; author, Quantitative Study of Plant Alkaloids; A Problem in the Professionalization of Subject Matter.

NOEL B. CUFF, B. S., A. M., Ph. D.

Psychology

B. S., A. M., Ph. D., George Peabody College for Teachers; teacher of Spanish, David Lipscomb College, two years; teacher of English, Freed-Hardeman College, one year; principal, County High School, Davidson County, Tennessee, two years; teacher of psychology, Appalachian State Normal School, Boone, N. C., two summer sessions;

teacher of psychology, David Lipscomb College, two years; present position, 1928.

N. G. DENISTON, B. S.

Industrial Arts

B. S., Valparaiso University; student, Stout Institute; student Massachusetts Institute of Technology; student, Bradley Polytechnic Institute; graduate work, University of Chicago; Life Certificate in Montana, Louisiana and North Carolina; supervisor of manual training, Livingston, Montana, Baton Rouge, Louisiana, and Mobile, Alabama; head of Department of Industrial Arts, Stanley McCormick School, Burnsville, N. C.; head of Manual Arts Department, Mississippi Normal College, Hattiesburg, Mississippi; present position since, 1919; leave of absence, 1928-29, with La Verne Noyes Scholarship.

RUTH DIX, B. S., A. M.

Home Economics

Teacher's diploma, Bradley Polytechnic Institute; one year and one summer, University of Illinois; B. S., Bradley Polytechnic Institute; A. M., Teachers College, Columbia University; teacher of home economics, high school, Colfax, Illinois, two years; township high school, Pana, Illinois, three years; home demonstration agent, Hendricks County, Indiana, two years; present position since 1923.

J. T. DORRIS, A. B., A. M., Ph. D.

History and Government

A. B., Illinois College; A. M., University of Wisconsin; Ph. D., University of Illinois; rural teacher, two years; business college, Oshkosh, Wisconsin, one year; high school principal and superintendent, Illinois, twelve years; graduate assistant, University of Illinois, three years; instructor, State Normal School, Minot, N. D., ten weeks; instructor, State Normal University, Normal, Illinois, twelve weeks; present position since 1926; author, following articles: The Oregon Trial, Pardoning the Leaders of the Confederacy, President Lincoln's Clemency.

RICHARD A. EDWARDS, A. B., M. A.

Director of Training School

A. B., 1910, University of Kentucky; A. M., 1925, Columbia University; taught four sessions in rural schools of Graves and Calloway counties; principal of Trimble County High School and Bedford Graded School, 1910 to 1914; superintendent of city schools, Morganfield, 1914 to 1918; present position since 1918; student in summer schools of University of Wisconsin, University of Minnesota, and Peabody College; author of A Manual for Student Teaching, 1923; The Training School Bulletin, 1926; A Manual for Observation and Method, 1928, in collaboration with training teachers.

FRED A. ENGLE, A. B., A. M.

Education

A. A., Cumberland College, Williamsburg, Kentucky; A. B., University of Kentucky; A. M., University of Kentucky; one quarter of additional graduate work, University of Kentucky; rural teacher, three years; principal of graded school, Knox County, Kentucky, three

years; principal of Corbin High School, six years; teacher of biology, Winchester High School, one and one-half years; present position since 1928.

JACOB D. FARRIS, A. M., M. D. College Physician and Teacher of Health

Diploma, Western Kentucky State Normal School and Teachers College; student, University of Chicago, one year; A. M., George Peabody College for Teachers; M. D., Vanderbilt University; assistant principal, Columbia High School, two years; principal, New Market High Schools, Alabama, four years; teacher, industrial arts, Nashville Public Schools, four years; present position, 1928.

D. THOMAS FERRELL, A. B., A. M.

Education

A. B., Duke University; A. M., Duke University; Trinity College, Dublin, Ireland, four months; A. M., Teachers College, Columbia University; two years additional graduate work, George Peabody College for Teachers; instructor in the American army post school, four months; principal, Alexis Graded School, Gaston County, North Carolina, two years; instructor in history, Trinity Park School, two years; principal, Bethesda High School, Durham County, North Carolina, three years; assistant in education, Duke University, two years; professor of psychology and education, East Carolina Teachers College, summer term of 1926; present position since 1927; author, Professional Preparation of Teachers for Small High Schools.

MARY FLOYD, A. B., A. M.

Acting Librarian, History

Diploma and A. B., Eastern Kentucky State Teachers College; A. M., Teachers College, Columbia University; three terms' graduate work, University of Chicago; teacher, graded school, Louisville, four years; principal, graded school, Florida, one year; instructor in history, Somerset High School and coach of debate team that won second place in the state contest, 1924; present position since 1925.

EDITH G. FORD, B. C. S., A. B.

Commerce

Diploma, Louisiana State Normal College, Natchitoches, Louisiana; B. C. S., Bowling Green Business University, Bowling Green, Kentucky; A. B., George Washington University, Washington, D. C.; two semesters graduate study, University of Kentucky, Lexington, Kentucky; city schools, Alexandria, Louisiana, two years; high school, Beckley, West Virginia, two years; high school, Winston-Salem, North Carolina, one year; present position since 1927.

MAUDE GIBSON

Art

Graduate Lebanon Normal; two years' course in public school art at Teachers College, Miami University; one semester at School of Applied Design, New York; one and one-half semesters in art classes of Teachers College, Columbia University; three years, decorator, Weller Art Pottery, Zanesville, Ohio; one year, teacher, Clarksville, Ten-

nessee, Female College; two years, teacher, Birmingham, Alabama, High School; summer, 1926, studying great works of art in the galleries of Europe; present position since 1910.

ANNA D. GILL, A. B.

Critic, Commerce

B. C. S., Bowling Green Business University; A. B., University of Kentucky; student, summer sessions, Gregg School, Chicago, six weeks; University of Wisconsin, twelve weeks; Western Normal School and Teachers College, nine weeks; teacher, high school, Mapleton, Maine, one year; teacher, Business College, Port Arthur, Texas, one year; head of Commercial Department, Elkins High School, West Virginia; present position, 1928.

NANCY GREER, B. S., M. A.

English

Student, Ward Belmont College; B. S., George Peabody College for Teachers; M. A. George Peabody College for Teachers; two years head of English Department, Coffee High School, Florence, Alabama; present position since 1930.

P. M. GRISE, A. B., M. A.

Critic, Normal Training School

A. B., Western Kentucky State Teachers College; M. A., Peabody College; teacher, rural schools of Kentucky, five years; teacher, high schools of Kentucky, three years; high school, principal, Oakland, Kentucky, two years; present position since January, 1930.

****G. M. GUMBERT, B. S.**

Agriculture and Athletics

B. S. Agr., University of Kentucky; one summer term additional graduate work, University of Kentucky; four months Officers' Material School; commissioned Ensign U. S. N., during world war; won five letters in basketball and football, University of Kentucky; seven years' experience in Smith-Hughes agriculture in Crittenden, Calloway and Fayette Counties, Kentucky; instructor in agriculture, one year, Eastern Kentucky Normal School, 1922; present position since 1925.

****MAY C. HANSEN, B. S.**

Critic, First Grade

Graduate, Oshkosh State Teachers College; student University of Chicago; student, Columbia University; B. S., Peabody College; teacher, rural schools of Wisconsin, two years; teacher, public schools, Washburn, Wisconsin, three years; teacher, public schools, Green Bay, Wisconsin, three years; present position since 1912.

GEORGE N. HEMBREE, B. C. S., A. B.

Physical Education

Student, Eastern Teachers College, one year; B. C. S., Bowling Green Business University; rural teacher, two years; undergraduate work, University of Illinois, two summers; undergraduate work, Peabody College for Teachers, one summer session; A. B., University of Kentucky. Present position since 1920.

****On leave of absence for two semesters.**

THOMAS C. HERNDON, B. S., A. M.

Chemistry

B. S., University of Kentucky; A. M., Peabody College for Teachers; one year graduate student, University of Chicago; two years, graduate student, Peabody College for Teachers; taught for some time at Logan College, Russellville, Kentucky; instructor, Peabody College for Teachers; present position since 1928.

GERTRUDE M. HOOD, A. B., A. M.

Physical Education

A. B., Ohio Wesleyan University; A. M., Columbia University; physical education and English, State Normal and Industrial School, Ellendale, North Dakota, 1927-1928; present position since 1928.

ELIZA HUGHES, A. B., A. M.

Physical Education

Diploma, New Haven Normal School of Gymnastics; three summer terms, University of Kentucky; A. B., Eastern Teachers College; A. M. Columbia University; supervisor, physical education, Paris city schools, Paris, Kentucky, three years; present position since 1927.

CHARLES T. HUGHES, A. B.

Coach

Diploma, Morton-Elliott Junior College; A. B., University of Kentucky; coach, Harlan High School, two years; principal and head coach, Harlan High School, one year; present position, 1929.

MRS. STANTON B. HUME

Industrial Arts

Graduate, Bellwood Seminary and Kentucky Presbyterian Normal School; student, Cincinnati School of Domestic Science under Miss Gamon; student of Miss Anna Barrows, Columbia University; student of Miss Lamphere and Mr. Lane, New Hampshire; student, summer school, Peabody College; in present position since 1910.

ARNIM DEAN HUMMELL, B. S., M. S., Ph. D.

Physics

B. S., Knox College; M. S., and Ph. D., University of Illinois; part time instructor in physics, University of Illinois, three years; instructor in mathematics, University of Illinois, one year; present position, 1929.

***WILLIAM C. JONES, B. S., A. M.**

Mathematics

B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; two years additional graduate work, George Peabody College for Teachers; instructor in mathematics, Wiley High School, Wiley, Colorado, one year; principal, Wiley High School, Wiley, Colorado, two years; present position since 1926; co-author, Pioneer Arithmetics, a series of arithmetics for the elementary and upper grades; joint author, Rural Education in Madison County, a survey of the rural schools.

*On leave of absence for a semester.

*WILLIAM L. KEENE, B. S., M. A.

English

Diploma, Middle Tennessee State Normal School; B. S. and A. M., George Peabody College for Teachers; rural teacher three years; principal consolidated elementary and county high school, Liberty, Tennessee, three years; summer school instructor, Middle Tennessee State Teachers College, 1925 and 1926; present position since September, 1926; one year's additional graduate work, George Peabody College for Teachers.

CHAS. A. KEITH, B. A., M. A., Ped. D. (Dean of Men) History

Student, University of Arkansas, 1901-6; 1906-7; student, University of Texas, 1909-1910; B. A., Honour Modern History, Oxford University, England, 1911; M. A., Honour Modern History, Oxford University, England, 1920; Honorary Doctor of Pedagogy, Ohio Northern University, 1926; one year and two summer terms' additional graduate work, Indiana University, 1926-27. Two years rural teacher, Clark and Howard Counties, Arkansas; one year head of History Department, Little Rock High School, Arkansas; one summer term acting head of History Department, Western Kentucky State Teachers College, Bowling Green; one summer term lecturer historical subjects, Ohio Northern University; present position since 1912; author, Notes and Outlines of American History; Notes and Outlines in Civil Government; Outlines of Kentucky Government (Bobbs-Merrill Co); Outlines of Kentucky History (D. C. Heath).

L. G. KENNAMER, A. B., B. S., A. M., Ph. D. Geography and Geology

A. B., Simmons University, Texas; B. S., A. M., Ph. D., George Peabody College for Teachers; student, University of Wisconsin, one year; professor, Abilene Christian College, six years; professor of science, David Lipscomb College, one year; professor of geography, Sam Houston State Teachers College, Huntsville, Texas, summer session; Bursar and Registrar, Abilene Christian College, three years; assistant in Geography Department, George Peabody College, two years; present position, 1928.

CORA LEE, B. S., A. M.

Critic, Normal Training School

Diploma, Owensboro High School; B. S., George Peabody College for Teachers; A. M., Teachers College, Columbia University; rural teacher, one year; teacher in Owensboro Public School, six years; present position since 1925.

MARGARET LINGENFELSER, A. B., A. M.

Critic, First Grade

A. B., Eastern Kentucky State Normal School and Teachers College; A. M., Teachers College, Columbia University; teacher, rural schools of Mason County, Kentucky, five years; present position since 1924.

*On leave of absence for a semester.

LOUISE T. LOWRY, B. S., M. A.*Mathematics**

B. S. and M. A., Northwestern University; reader and assistant in mathematics, Northwestern University, one year; teacher of mathematics and science, Roycemore School, Evanston, Illinois, one year; Chicago Public High Schools, one semester; present position since 1928.

MELVIN E. MATTOX, B. S., A. M.**(Registrar) Education**

Diploma, Mississippi State Normal School; B. S. and A. M., Peabody College; three quarters additional graduate work, Peabody College; rural teacher, one year; principal of village and consolidated schools, five years; instructor, Mississippi State Normal, two summers; professor in education, University of South Carolina, one summer; superintendent of training school, Eastern Kentucky State Teachers College, one year; present position since 1925.

THOMAS E. McDONOUGH, B. S., A. M. Physical Education and Health

Diploma, La Crosse Teachers College; student, Columbia University, one year; B. S., A. M., George Peabody College for Teachers; director of physical education and coach, Bluffton City Schools, Indiana, one year; supervisor of physical education, City Schools, Milwaukee, three years; student instructor, Peabody College and Peabody Demonstration School, three years; present position, 1928.

MARY FRANCES McKINNEY, B. S., M. A.**Geography**

Diploma, Eastern Kentucky State Normal School and Teachers College; B. S., M. A., George Peabody College for Teachers; principal, independent graded and high school, Clark County, Kentucky, four years; critic teacher in geography and mathematics, Eastern Kentucky Teachers College, three years; present position since 1926.

WILLIAM J. MOORE, A. B., A. M.**Economics**

Diploma, Eastern Kentucky State Normal and Teachers College; A. B. and A. M., University of Kentucky; work for Ph. D., substantially completed; two years, College of Law, University of Kentucky; rural teacher, five years; principal, Corinth Independent Graded School, two years; principal, Clay County High School, Manchester, Kentucky, four and one-half years; superintendent, Midway Public Schools, Midway, Kentucky, two and one-half years; member lower house of Kentucky General Assembly, 1924; in present position since January, 1928.

MRS. JANET MURBACH, A. B., M. A.**French**

A. B., Oberlin College, Ohio; A. M., University of Kentucky; graduate study, University of Paris, France; student, summer session, University of California; teacher of French, Archbold High School, Ohio, two years; teacher of French, University of Kentucky, one year; present position, 1928.

*On leave of absence for one semester.

SMITH PARK, B. S., M. S., Ph. D.**Mathematics**

B. S., in mechanical and electrical engineering, 1920, University of Kentucky; M. S., in mathematics 1925, University of Kentucky; Ph. D., University of Kentucky; traffic engineer, New York Telephone Co., one year; present position since 1923.

NORMA PEARSON, B. A., M. A., Ph. D.**Biology**

B. A., M. A., Ph. D., University of Wisconsin; teacher of science, Sparta High School, two years; assistant in botany, University of Wisconsin, two years; instructor in botany and chemistry, Catley College, one year; instructor in biology, Beliot College, three years; research assistant, plant pathology, University of Wisconsin, two years; present position, 1928.

MABEL H. POLLITT, A. B., A. M.**Latin**

A. B. and A. M., University of Kentucky; additional graduate study in American Academies of Rome and Athens; principal, Lewis County High School, Vanceburg, Kentucky, two years; instructor and assistant professor in Department of Ancient Languages, University of Kentucky, six years; professor and acting head of Department of Ancient Languages, Georgetown College, one year; present position since 1927; Phi Beta Kappa and Eta Sigma Phi fraternities; author, *Life of James Kennedy Patterson*, President of University of Kentucky, 1869-1910.

ALFRED E. PORTWOOD, A. B.**Assistant Coach**

Diploma, Midway High School; A. B., University of Kentucky; freshman backfield coach, fall of 1929, University of Kentucky; present position 1930.

NANCY RICHARDSON, A. B.**Library Science**

A. B., North Carolina College for Women, Greensboro, North Carolina; assistant librarian, Richard J. Reynolds High School, Winston-Salem, North Carolina; assistant cataloger, Peabody College, Nashville, Tennessee; organizer, Springfield High School Library, Springfield, Tennessee; graduate, department of Library Science, Peabody College, Nashville, Tennessee; cataloger, summer session, Arkansas State Teachers College, Conway, Arkansas.

R. R. RICHARDS, A. B.**Commerce**

Graduate, Normal School Department, Berea College; student University of Kentucky, one semester; A. B., Eastern Kentucky State Teachers College; principal of schools and athletic director, Kentucky House of Reform, two years; educational director, Kentucky House of Reform, two years; student assistant, Eastern Kentucky State Teachers College, two years; present position, 1929.

MARIE L. ROBERTS

Dean of Women

Graduate, Western College for Women, Oxford, Ohio; teacher, Western College, two years; teacher, high school, Ashland, Ky.; assistant principal, Ashland High School; student, summer school, Columbia University; student, summer school, Peabody College, Nashville, Tennessee; present position since 1915.

DEAN W. RUMBOLD, B. S., Ph. D.

Biology

B. S., University of Buffalo; student, University of Wisconsin, one year; Ph. D., Duke University; undergraduate assistant, University of Buffalo, one year; graduate assistant in general zoology, University of Wisconsin, one year; teaching fellow, Duke University, two years; instructor, biology courses, Seashore summer school, Duke University, 1927; instructor, Culver Academy, summer session; author, A New Trematode from the Snapping Turtle.

RUBY RUSH, A. B., A. M.

Critic, Normal Training School

Graduate, Virginia Intermont College, Bristol, Virginia; A. B., University of Kentucky; A. M., Columbia University; rural teacher, one year; teacher, high schools of Kentucky, four years; teacher, Latin and English, High School, Madison, Florida, two years; present position since 1926.

***ANNA A. SCHNIEB, A. B., A. M.**

Education

Diploma, Indiana State Normal School and Teachers College; student, Indiana University, one year; A. B., A. M., Columbia University; diploma, education and psychology, Teachers College; two years' additional work, Columbia University and University of Chicago; city teacher, five years; assistant principal, city normal, three years; head of Department of Education and Psychology, William Woods College, Fulton, Missouri, three years; education and psychology, State Teachers College, Cape Girardeau, Missouri, four years; present position since 1923; author Suggested Content, Sources and Activities for Arithmetic, English, Geography, Grades I to VIII; articles on student government and on teaching hygiene, teaching geography, teaching English; one year graduate work, University of Vienna, Austria.

EVELYN SLATER, B. S.

Critic, Home Economics

Graduate of Holmes High School, Covington, Kentucky; four years' business experience with Cincinnati banking concern; B. S., University of Kentucky; one year graduate work, University of Kentucky; one semester substitute work, Cincinnati Public Schools; foods instructor, East Night High, Cincinnati; present position since February, 1927.

*On leave of absence for a semester.

G. D. SMITH, A. B., B. S., M. A., D. Sc.**Nature Study**

Student, Muskigam College, New Concord, Ohio, one year; A. B., Honorary M. A., Ohio Northern College, Ada, Ohio; B. S., Ohio Wesleyan College, Delaware, Ohio; student, summer sessions at Ann Arbor, Michigan, Ohio State Biological Laboratory, Cedar Point, Ohio, Carnegie Biological Laboratory, Wood's Hole, Massachusetts; superintendent of village schools in Ohio, six years; head of Science Department, Central High School, Akron, Ohio, seven years; in present position since 1908.

VIRGINIA F. STORY, B. S.**Critic, Third Grade**

Diploma, Eastern Kentucky State Normal School and Teachers College; B. S., George Peabody College for Teachers; teacher, Ashland, Kentucky, five years; primary supervisor, Ashland, Kentucky, three years; present position since 1927; one year graduate work, Peabody College for Teachers.

BROWN E. TELFORD**Piano**

Diploma, Greenbrier College for Women; two terms special work, Cincinnati Conservatory of Music; one term, New York School of Music and Arts; one semester, New England Conservatory of Music, Boston; instructor in piano, Madison Institute, one year; present position, 1920; two summer terms, Columbia University.

GLADYS PERRY TYNG, B. S.*Education**

Diploma, Eastern Kentucky State Normal School and Teachers College; B. S., George Peabody Teachers College; one semester additional graduate work, George Peabody Teachers College; teacher in elementary grades three years, Guthrie and Richmond, Kentucky; present position since 1920.

JAMES E. VAN PEURSEM, A. B., Mus. B.**Music**

A. B., Morningside College; Mus. B., Oberlin College; teacher of English, Wakonda High School, S. D., one year; principal and orchestra director, Wakonda High School, four years; present position, 1929.

SAMUEL WALKER, A. B., A. M.**Principal, Normal Training School**

A. B., Maryville College, Maryville, Tennessee; A. M., University of Kentucky; rural teacher in public schools of Whitley County, five years; supervisor Whitley County schools, four years; city superintendent, Williamsburg, Kentucky, and Etowah, Tennessee, two years; instructor in Normal Department, Cumberland College, Williamsburg, Kentucky, two years; superintendent Whitley County schools, eight and one-half years; present position since 1926.

ELIZABETH WILSON, B. S., M. A.**Critic, Third Grade**

Diploma, Martin College, Pulaski, Tennessee; B. S., A. M., Pea-

*On leave of absence for a semester.

body College for Teachers; rural teacher, Tennessee, two years; critic teacher, East Texas State Teachers College, three years; critic teacher, North Texas State Teachers College, one year; present position, 1928.

****GERMANIA J. WINGO, B. S.**

Critic, Fourth Grade

Diploma, State Normal School, Farmville, Virginia; diploma in critic work in elementary education, Teachers College, Columbia University; B. S., Teachers College, Columbia University; additional graduate work, Teachers College, Columbia University; teacher, Crewe, Virginia, two years; teacher, Amelia and Pulaski, Virginia; present position since 1920.

***EDNA ZELLAHOEFER, A. B., A. M.**

English

Graduate, Illinois State Normal University; A. B., University of Illinois; A. M., Columbia University; instructor in English, Sparland High School, Le Roy High School, and Rockford High School, Illinois; instructor in English in high school, La Cross, Wisconsin; present position, 1922.

H. H. BROCK, B. S.

Correspondence Department

L. G. WESLEY, A. B.

Correspondence Department

*On leave of absence for a semester.

**On leave of absence for two semesters.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

E. P. McCONNELL, Bookkeeper

KATHERINE MORGAN, Secretary to the President

HELEN W. PERRY, Secretary to Business Agent

KERNEY ADAMS, Director of Extension

MAYE M. WALTZ, Secretary to Dean

INEZ McKINLEY, Assistant Bookkeeper

AUGUSTA DAUGHERTY, Cashier

FRANKIE DEBOE, Stenographer, Business Office

ELIZABETH DUNIGAN, Secretary to Registrar

MILDRED QUISENBERRY, Stenographer, Normal School Office

MAYME COOPER, Assistant to Director of Extension

LOIS COLLY, Stenographer, Extension Division

EUNICE WINGO, Secretary to Dean of Women and Supervisor of
Sullivan Hall

FRED BALLOU, Book Store Clerk

MARJORIE COATES, Assistant, Registrar's Office

RUBY SEARS, Stenographer, Registrar's Office

MARY SULLIVAN, Housekeeper, Sullivan Hall

MRS. T. J. COATES, Housekeeper and House Mother, Burnam Hall

W. A. AULT, Superintendent, Power Plant, Building and Grounds

EDNA WHITE, Registered Nurse

EDITH L. McILVAIN, Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

MRS. BESSIE GRIGGS, Information Clerk

Faculty Organization

COMMITTEES

Alumni and Senior Class

Adams, Tyng, Park, Floyd, McKinney, Lingenfelter, Moore, Story,
Case, Carpenter, Richards

Meets first Tuesday each calendar month at 4:10 p. m.

Certification and Graduation

Cooper, Mattox, Pollitt, Caldwell, Roberts, Jones, Hummell, Farris
Meets on call of the chairman

Student Schedules

COLLEGE

Keith, and others as assigned

NORMAL HIGH SCHOOL

Walker, and others as assigned

Credits and Credentials

Mattox, Jones, Park, Pollitt, Clark, Cuff, Carter, Herndon
Meets on first Monday each semester, second mid-semester, and each
summer school at 4:10 p. m.

Entrance Examinations

Moore, Mattox, McKinney, Zellhoefer, Jones, Bryant, Gill, Burns
Meets on call of chairman

Fine Arts and Entertainment

Murbach, Caldwell, Van Peurse, Bronson, Kennamer, Farris,
Tyng, Telford, Campbell
Meets on the first Wednesday of each month at 4:00 p. m.

Library Committee

Floyd, Cooper, Keith, Clark, Edwards, Caldwell, Cox, Pollitt, Rumbold,
Kennamer, Walker, McDonough
Meets on the first Tuesday in each calendar month at 4:10 p. m.

The Training School

Edwards, the critic teachers, and the teachers of Education
Meets on call of the chairman

Athletics

Carter, Edwards, Farris, Keith, McDonough, Hughes, C. T., Gumbert,
Lowry, Hood, Hughes, Eliza
Meets on the second Friday in each month at 4:10 p. m.

Societies, Clubs, and Forensics

Clark, Zellhoefer, Dorris, Ford, Ferrell, Dix, Richards
Meets on the second Tuesday in each month at 4:10 p. m.

Student Publications—Milestones and Progress

Rumbold, Keene, Deniston, Gibson, Cuff, Richards
Meets on second Wednesday of each month at 4:10 p. m.

Eastern Kentucky Review—Catalog

Dorris, Schnieb, Clark, Mattox, Keene, Edwards, Pearson, N.
Meets on second Thursday of each month at 4:10 p. m.

Curriculum Committee

Cooper, Edwards, Dorris, Clark, Tyng, Cox, Jones, Pearson, N., Hansen,
Mattox, Moore
Meets on third Friday in each month at 4:10 p. m.

Student Welfare, Discipline and Grievances

Donovan, Cooper, Farris, Pollitt, Roberts, Keith
Meets on call of the chairman

Rules and Regulations

Cooper, Keith, Caldwell, Edwards, Pollitt, Carter
Meets on call of the chairman

Social and Receptions

Hughes, Pollitt, Greer, Burrier, Carter, Farris, Ford, McDonough;
ex-officio Roberts, Keith
Meets on call of the chairman

Extension Committee

Adams, Jones, Cooper, Dorris, Smith, Engle

Meets on the fourth Tuesday in each month at 4:10 p. m.

Student Loans, Scholarships and Fellowships

Cox, Schnieb, Roberts, Keith, McDonough, Cuff, Brock, G. M., Cooper

Meets on call of the chairman

Note:—A special meeting of any committee will be called by its chairman on the written request of three of the members of such committee. The President is ex-officio member of all committees.

GENERAL INFORMATION

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison county, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beckham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs. B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1,

1916. On June 16, 1916, he resigned to take effect September 1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

LOCATION

The home of the Eastern Normal School and Teachers College is a little city of about 7,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west. It is not so large that it will lose sight of the school in a multiplicity of other interests, and yet is large enough to afford the essential material conveniences for the care of the institution.

Richmond is on the border line between the bluegrass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern State Normal School the buildings and campus of old General University, the famous Presbyterian institution which was removed to Danville and united with Central College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of bluegrass turf, thickly set with fine maple and other trees. Our present buildings include:

The Thomas Jackson Coates Administration Building—

This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen class rooms, the college book store and college post office. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and class rooms.

Charles F. Weaver Health Building—As this catalog goes to press the college architects are preparing plans and specifications for the Health Building which will include complete gymnasium facilities, as well as laboratories and class rooms for the Department of Health. The gymnasium will contain a large swimming pool, three basketball courts, arena, four handball courts, rooms for wrestling and boxing, and lockers and dressing rooms for men and women students.

This building will be 100 x 220 feet and will be erected on the athletic field immediately upon completion of plans and specifications. It is planned to have the building ready for occupancy by the opening of the second semester, February 2.

John Grant Crabbe Library—This building was named in honor of the second president. It was erected in 1923. It is a two-story fire proof building and contains a well selected library of over 35,000 volumes. A room is set apart and is used as a library of Kentucky history and literature. Many valuable additions have been made to the Kentucky library recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as

a laboratory for college students taking the Library Service Courses.

Ruric Nevel Roark Building—This handsome building is named in honor of the first president. It was erected in 1909, at a cost of \$45,000. The laboratories for physics, chemistry, biology and agriculture are located in this building. These laboratories are well equipped for special and individual study. The other rooms are used as lecture and class rooms.

James W. Cammack Building—This building stands eighty feet south of Roark Building and fronts equally with it on Lancaster Avenue. It was constructed in 1918 at a cost of \$50,000 and was recently remodeled and refurnished at an additional cost of \$15,000. The building was designed and is used entirely for the Training School. It contains laboratories, class rooms, practice rooms, offices and assembly rooms.

Memorial Hall—This dormitory has accommodations for 175 men. It is in charge of a resident member of the faculty.

Sullivan Hall—This dormitory for women was built in 1909 at a cost of \$45,000. It was named in honor of the local Regent, Hon. J. A. Sullivan. Here are spacious corridors, reception halls, airy and light study and bed rooms. This dormitory has accommodations for 175 girls.

Burnam Hall—This building is a beautiful and imposing new dormitory for girls recently constructed at a cost of \$233,067.01. It is a fire-proof structure. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for club and society entertainments. There is also a large recreation room for women students. A well equipped laundry is provided for the use of the students.

University Building—This building was erected by Old Central University in 1874. It is considered a splendid example of fine old southern architecture of that period. In this building the Normal Training High School is located.

Manual Arts Building—The building houses the Depart-

ment of Manual Arts, including the woodworking and manual training shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The Power Plant was erected in 1909 at a cost of \$40,000. It contains the lighting and heating apparatus for supplying all the buildings on the campus. The electrical equipment consists of two 50 K. W. 2,300-vol A. C. generators, and the switch board and the necessary instruments for the distribution of the electric energy.

Recently the three 125 H. P. boilers in the Power Plant were equipped with mechanical stokers. This equipment greatly increases the efficiency of the plant.

The heating plant supplies low pressure steam to all radiators in the different buildings. The plant is considered one of the best power plants in the State of Kentucky.

New Stateland Hall is a very large and beautiful brick dwelling situated on the farm. It contains nine rooms which have been furnished and equipped with modern conveniences for the students who occupy the rooms in this hall. It is large enough to accommodate approximately thirty young men. The young men who are primarily interested in agriculture are expected to room in this hall.

The President's Home is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration building. It is a large, two-story brick building.

The Gymnasium—The gymnasium is a large frame building. It is well equipped with all the working apparatus of the modern gymnasium. It contains one of the largest basketball floors in the State.

NEW STATELAND

Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has

acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without a loss of time in moving from the class room to the farm. The activities of the farm are those usual in this part of the State. There is a dairy herd composed of purebred Jerseys and Holsteins. These cows furnish milk for the cafeteria.

Purebred Duroc hogs are raised and a colony of purebred poultry is being bred.

New Dairy Barn—A new model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm at a cost of \$10,000.

This farm is owned and operated for the following purposes:

1. To be used for laboratory and demonstration purposes in relation to the Department of Agriculture of the Normal School and Teachers College.
2. To give the students attending this school work to help them pay expenses.
3. To furnish the dormitories with milk, eggs, meat and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses and to pay gradually for needed improvements.

Expenses—Board and Rooms

ROOMS FOR MEN STUDENTS

Memorial Hall and New Stateland Hall are the men's dormitories. These two dormitories will accommodate about 200 men. Memorial Hall is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. This building was recently decorated throughout.

Rooms in New Stateland are completely equipped, steam heated and are equally as desirable as those in Memorial Hall. Most rooms accommodate two students, a few three students.

The institution maintains at all times a list of Richmond homes offering rooms for men students. Information concerning these rooms will be furnished on request.

Men living in the dormitory are expected to take care of their rooms. The college attempts to make it possible for men to live in a refined atmosphere and under good living conditions. It, therefore, expects those who occupy rooms in the dormitory to keep them in good condition. Rooms will be inspected weekly by a committee of the faculty. Students who fail to cooperate in this matter will not be permitted to remain in the dormitory.

ROOMS FOR WOMEN STUDENTS

Burnam Hall and Sullivan Hall are the women's dormitories. These dormitories will accommodate 478 women students. Practically all rooms in these dormitories are two-student rooms but there are a few corner rooms to which three students are assigned. Rooms in Sullivan Hall and Burnam Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. All rooms in New Burnam Hall have private baths for each suite of two rooms.

Young women are expected to room on the campus when attendance does not exceed the capacity of the dormitories, unless for special reason they are granted permission by the President to room elsewhere.

ARTICLES TO BE FURNISHED BY STUDENTS

Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow cases, three sheets, spreads and comforters or blankets, towels, soap and runners for table and dresser.

RATE OF ROOM RENT IN DORMITORIES

The rate of room rent for rooms in Eastern dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath rent at a higher rate than rooms in Sullivan, Memorial and New Stateland Halls, where central bath rooms are located on each

floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water.

The rate of rent in Sullivan Hall is \$1.25 to \$1.50 a week, and in Burnam Hall \$1.50 to \$2.50 a week for each student. The \$2.50 rooms are on the front side of New Burnam, most other rooms in New Burnam are \$2.00 a week. The rate of rent in Memorial Hall and New Stateland, the men's dormitories, is \$1.50 to \$2.00 a week for each student. The \$2.00 rooms are choice corner rooms in Memorial Hall.

In making application for rooms, students should indicate the price of room preferred.

ROOM DEPOSIT OF \$3.00

A deposit of \$3.00 is required for each occupant of dormitory rooms to guarantee the proper care of room and furnishings. The whole, or such part of this fee as may be due after deduction for damage is made, will be refunded to the student upon termination of his stay in school when deposit receipt is approved for refund by the Dean of Women or the Dean of Men as the case may be. The \$3.00 room deposit is included in the \$5.00 room reservation fee which is paid by the student when room is reserved.

This \$3.00 deposit is forfeited to the college unless claimed by the student by October 1, following the school year in which the room deposit was paid.

HOW TO APPLY FOR A ROOM RESERVATION IN THE DORMITORIES

Students wishing to engage rooms either in the dormitories or in town should write the Business Agent for "Application for Admission Card" which should be filled out and returned promptly. These applications are filed in the order of their dates and in that order dormitory assignments are issued.

When the student receives a dormitory assignment a fee of \$5.00 should be mailed to the Business Agent within ten days to make the reservation permanent. The \$5.00 reservation fee includes the \$3.00 room deposit which is required of all occupants of dormitory rooms as a guarantee of the proper

care of room and furnishings. (See information concerning Room Deposit on page 31.) The remaining \$2.00 of the reservation fee is applied toward the payment of room rent when the student registers and is deducted from the amount due for rent.

Do not send a reservation fee until you have received a dormitory assignment.

Assignments to dormitories are made by the Business Agent. Assignments to definite rooms are made by the Dean of Women or the Dean of Men, as the case may be, on or before the student's entrance.

The holder of a reservation may receive the refund of the fee by request in writing not later than ten days before the opening of the semester for which reservation is made.

Room reservations are void if not claimed by 12:00 o'clock midnight of Monday of the opening of the term and the fee is forfeited. Room reservations are not transferable.

RULES CONCERNING WOMEN STUDENTS RESIDING IN PRIVATE HOMES

During those terms when the attendance exceeds the capacity of the dormitories the school maintains a list of private homes which agree to take student roomers under conditions and rates accepted by landladies and the school. All young girls, except those whose homes are in Madison County, are required to room in one of the homes listed.

Students should not engage rooms or board before ascertaining from the school that the landlady's name is on the list. The fact that students have roomed or boarded at a home during some previous year is not necessarily a guarantee that the home is at present on the list. Woman students desiring to room with relatives or friends should notify the Dean of Women of such intention as early as possible before coming to secure the school's approval if it can be given.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the school.

ROOMS FOR MARRIED COUPLES AND FAMILIES

Among the Richmond homes offering rooms to students many have facilities for light housekeeping, and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that the best possible arrangements may be made.

BOARD

Board is provided in the beautiful new cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business office at all times and may be purchased as needed. The average cost of board is about \$4.50 a week.

Men and women students occupying rooms on the campus are **positively required** to take their meals at the college cafeteria. They are expected to pay for seven cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for four coupon books in advance at the beginning of each six-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$33.00 for which the student will receive seven coupon books good for \$35.00 in board. A payment of \$19.00 will be required in advance at the opening of each six-week summer term for which the student will receive four coupon books good for \$20.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

THE INCIDENTAL FEE

Each student pays an incidental fee of \$5.00 each semester when he registers, and \$2.50 for each summer term. This is not a matriculation or enrollment fee, but is to cover admission to regular athletic games, admission to the lecture and fine arts courses and entertainments, the library fee, free subscription to the "Eastern Progress," the student newspaper, and contingent expenses.

The incidental fee is paid by all students and is not refunded. After the first two registration days, late registrants must pay \$1.00 additional fee. It pays to be on time.

FEEES

No tuition is charged residents of Kentucky—Non-residents of Kentucky are charged the following rates:

For any one semester.....	\$27.00
For the twelve-week summer school.....	18.00

Necessary Expenses at Eastern for One Semester—18 Weeks

Incidental Fee		\$5.00
Room rent in dormitories	\$18.00 to	45.00
Board, approximately		85.50
College Post Office box rent .....		.50

Total expenses \$109.00 to \$136.00

The following expenses are payable in advance for the semester:

Incidental fee		\$5.00
Room rent in the dormitories	\$18.00 to	45.00
Board in the college cafeteria.....		33.00
College Post Office box rent .....		.50

Total to be paid in advance on entrance.... \$56.50 to \$83.50

The cost of books and supplies for the semester may be estimated at from \$10.00 to \$20.00.

Necessary Expenses for a Six-week Summer Term

Board—six weeks @ \$4.75		\$28.50
Room rent—in the dormitories for six weeks.....	\$9.00 to	15.00
Incidental fee		2.50
Books and supplies (average)		10.00
College Post Office box rent .....		.50

Total expenses \$50.50 to \$56.50

Students who enter the dormitories and have not paid room reservation fee of \$5.00 are required to pay the \$3.00 room deposit at the time of registration.

SPECIAL FEES

Biology 121—General	\$4.00
Biology 231—Gen. Botany	2.00
Biology 232—Advanced Botany	2.00
Biology 241—General Zoology	4.00
Biology 242—Comparative Anatomy	4.00
Biology 244—Animal Parasites	4.00
Biology 381—Animal Physiology	4.00
Chemistry 211, 212, 213, 214, 215, 216, 312	5.00
Commercial Education 151, 152	2.00
Education 221—Tests and measurements	1.75
Geography 101	1.00
Geography 201, 202, 205	3.00
Geography 374	1.00
Home Economics 101—Food Study and Cookery	6.00
Home Economics 102—Meal Planning, Preparation and Serving....	9.00
Home Economics 201—Dietetics	2.00
Home Economics 111—Garment Making	2.00
Home Economics 211—Textiles	1.00
Home Economics 315, 316	2.00
Manual Training per semester hour except professional—courses..	2.00
Physics 201, 202, 301	2.00
Physical Welfare 303, 304	4.00
Physical Welfare 111, 112, 113, 114, 115, 213, 215.....	.50
Piano lessons (private instruction, two lessons a week).....	27.00
Piano lessons (private instruction, one lesson a week).....	18.00
Piano practice (one hour a day—one semester).....	5.00
Voice (private instruction, two lessons a week).....	27.00
Voice (private instruction, one lesson a week).....	18.00

OPPORTUNITIES FOR EMPLOYMENT TO ASSIST WITH PAYMENT OF EXPENSES

A limited number of students may earn a part of their expenses, such as board or room rent, by doing various kinds of work for the college, such as working in the cafeteria, book store, campus post office, dormitories, information offices, on the school farm, etc. Some students may also find opportunity for employment clerking in Richmond stores and working in restaurants etc., on Saturdays.

Students are advised not to enter expecting employment

of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all of their expenses for at least one semester.

THE TRAINING SCHOOL

The Training School is the center of the professional work of the Teachers College. It provides opportunities for observation by college classes in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done.

The first consideration in the management of the school is to make of it a good school. To the extent that children receive the best educational opportunities, to that extent is the Training School valuable to the State in the training of teachers. Modern methods of teaching are demonstrated and opportunity is given for the development of such skills, techniques and controls as are considered essential for those taking out the Standard Certificate or a degree.

Since the elementary and junior high school grades are in session for only a ten months' school year the facilities for student teaching are limited during the first summer term of the college. Therefore student teaching can be given during the first summer term to a limited number and is restricted to those who have been unable to attend during the preceding semesters and who are compelled to have this work in order to receive the Standard Certificate or a degree at the August commencement. It is recommended that all who can should take student teaching during the nine months' school year, and that others should reserve a place by letter if they must have the work in the summer term.

The Training School is organized to conform as nearly as possible to the best standard practices in school administration. Its organization includes the rural demonstration school of eight grades, the elementary school of six grades, the Junior

high school of three grades, and the newly organized senior high school which prepares for entrance into college.

THE RURAL DEMONSTRATION SCHOOL

This school is located on the college farm and within five minutes walk of the campus. The building proposes to set a standard for a one-teacher building and equipment which may be reproduced by various counties in Kentucky at a reasonable cost.

Children attending this school are rural children representing all eight grades. The teacher in charge is an expert rural training teacher who demonstrates what the institution believes to be the best method of instruction and the best type of organization for a one-teacher rural school.

This model school is used for purposes of observation by classes of students who are preparing to teach in the rural schools of Kentucky. It is also available for inspection by county superintendents, supervisors and others interested in rural education. The rural school is not in session during the summer.

THE ELEMENTARY GRADES

Grades one to six of the Training School are located in Cammack Hall, a building constructed especially for training purposes. The six training teachers for these grades are experts in the field of elementary education. It is here that teachers in training learn the best methods and procedures in primary and intermediate grade teaching.

Each grade is limited to thirty pupils.

THE JUNIOR HIGH SCHOOL

The junior high school grades, seven, eight and nine, have a departmental organization with teachers who are specialists in their respective subjects. The curriculum is planned to meet the interest and needs of adolescent boys and girls. It includes club work and the practical arts along with English, mathematics, social studies, science and Latin.

THE NORMAL SENIOR HIGH SCHOOL

The senior high school is the Normal High School reorgan-

ized as a standard secondary school including grades ten, eleven and twelve. Students completing an approved course of twelve units in these grades are entitled to a high school diploma and admittance to college.

The curriculum includes consecutive courses in English, science, social studies, mathematics, foreign language, and the practical and fine arts. Various activities to meet the interests of the students will be organized each year. The teaching staff is highly trained and efficient. Scholarship is emphasized.

The senior high school is open not only to young men and women of Richmond and Madison county, but it also offers an opportunity to those in other sections of Kentucky who do not reside near a standard high school and who wish to complete their secondary education in a good school surrounded by a college atmosphere and at a reasonable cost.

The high school is in session throughout the school year including the two summer terms.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the city. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devo-

tional meeting. Those organizations are doing a great work in the school and new students should join them and become active workers. Vespers will be conducted on the campus each Sunday evening during the Summer School for the entire summer.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone, established 1922, is an annual published each year by representatives of the senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, art, literary, photographic, advertising, society and joke editors and a business manager. Elections to the editorial department are part competitive and part elective by the class.

The Eastern Progress—Another very important publication, established in 1922, is The Eastern Progress, the newspaper of the College. Work on this paper calls for “covering” lectures, meetings, athletic games and events not in regular routine. Members of the faculty make frequent contributions on their various fields of study. This publication not only contains news of interest to the student, but articles that will interest alumni and teachers throughout Kentucky.

These publications offer widespread opportunities for the energies and talents of men and women who do not possess dramatic or athletic ability. You will find that your work on these publications will give you an unrivalled opportunity to become acquainted with your surroundings and your college mates.

Eastern Kentucky Review—This publication is the official

bi-monthly review published by the College. It is edited by the Faculty. If you are interested write for it.

STUDENTS ORGANIZATIONS

Literary Societies—There are five literary societies at Eastern; namely, the Horace Mann Literary Society, the Ruric Nevel Roark Literary Society, the Men's Club, the Neon Krypton Literary Society, and the Rural Life Club.

The Ruric Nevel Roark Society is a Normal High School society and has been named in honor of the first president of Eastern.

The Horace Mann Society is maintained exclusively by College students and has been named after Horace Mann, the great champion of common schools in America.

Membership in all of these societies is voluntary, but the most efficient and capable students are found identified with one of these organizations. The societies are self-governing and meet on Thursday evening.

The Little Theatre Club—The widespread revival of interest in community and school dramatics, and the growth of the Little Theatre movement throughout the country and especially in Kentucky, has resulted in the establishment of a Little Theatre Club at Eastern. The L. T. C. has become a drawing card for those students who feel that there is in every life a certain amount of pleasure that may be derived only from special activities. The Club offers an excellent opportunity for developing business and administrative ability, talents in scene-design and stage-construction, and dramatic ability in enacting the Club plays. The membership, drawn from the entire student body, is elective, each applicant presenting a tryout before the Club members. The local club is a unit in the Drama League of America.

MUSICAL ORGANIZATIONS

Men's Glee Club—Membership is limited to twenty-four. Rehearsals are held weekly. The club appears on chapel programs and assists in the presentation of oratorio and opera.

Madrigal Club—Membership is limited to thirty girls. Rehearsals are held weekly. During the past year the club

has appeared on chapel programs, has presented an Easter program, and has assisted in the presentation of the spring opera.

College Orchestra—The orchestra tries to maintain standard symphony instrumentation and balance. New members are admitted as vacancies occur. Symphonic instrumentation includes: violin, viola, cello, string bass, flute, oboe, clarinet, bassoon, trumpet, horn, trombone, side drum, bass drum, tympani.

The orchestra plays on chapel programs, plays for school functions, assists dramatic performances, and assists in the presentation of the spring opera.

College Band—The band is a large, uniformed, organization and plays at many school functions, including football and basketball games. The band occasionally makes trips with the football team and during the past year appeared on the program of the K. E. A.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. J. D. Farris, A. M.; M. D., college physician. Students have the privilege of consulting Dr. Farris for medical advice and attention at all times. The physician's office, located in the Administration building, is fully equipped. Regular office hours are maintained and students are urged to take advantage of this special service. All students, whether living in the dormitories or off the campus, are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body.

ATHLETICS

Intercollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. This committee is composed of the coaching staff and certain members of the faculty appointed by the President.

Eastern is a member of the Southern Intercollegiate Athletic Association and all athletic contests are governed by the eligibility rules of that body. Representative teams are

developed in football, basketball, baseball, and tennis. These teams play a complete schedule of games with other colleges. A new gymnasium, football field, and track are under construction. When these are completed track teams will be developed, while an added impetus will be placed on the inter-collegiate sports already maintained here.

PLAY AND RECREATION

Eastern affords its students opportunities for play and recreation. Recreational activity, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, La Crosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intra-mural programs are the vogue throughout the school year. During the summer terms, this activity program is offered in the evening. At this time the twilight baseball leagues hold forth. All students, men and women, are encouraged to affiliate with a group and play during their leisure time.

Eastern is well equipped with gymnasium, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

ALUMINI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students. Now that the school is a Teachers College, the association expects to see many of its members returning to the campus.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

APPOINTMENTS

Students may receive appointments from their County Superintendents or their City Superintendents. Appointments are good until all courses are completed.

ATTENDANCE AT COMMENCEMENT

All students who are candidates for the Standard Certificate and those who are candidates for a degree are required to participate in the commencement exercises unless excused by the President. Commencement exercises will be held at the close of the second semester and the close of the second summer term.

WHO MAY PARTICIPATE IN COLLEGE COMMENCEMENT EXERCISES

Participation as students in college commencement exercises is restricted to those who have satisfied the requirements for the Standard Certificate or for a degree at the time of commencement. Students who satisfy those requirements at times other than the second semester will receive their certificates of their degrees immediately following the completion of the work and will be regarded as of the graduating class immediately succeeding the completion of the work.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without seeing the President appears in the records as being suspended and may not register unless the President sees fit to reinstate him.

LATE ENTRANCE

Students entering after Wednesday of the first week of a term will be charged an additional fee of \$1.00. Those entering after the first day of the second week of a semester will be

placed on a reduced schedule. No one may enter for credit after one-fifth of the semester has expired. Students entering after the third day of a term of summer school will be placed on a reduced schedule, and the fifth day of a term of summer school will be the latest date to register for credit.

EXTENSION DIVISION

Through the Extension Division the Institution provides correspondence and extension class instruction, appointment service, lectures and various types of public school service.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. Instruction cost of an extension class is apportioned among the members of the class and, therefore, the cost to each student varies with the number in the class.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Bureau of Appointments—Through the Bureau of Appointments the Institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

ADMISSION TO THE TEACHERS COLLEGE

An applicant for admission to the freshman class in Eastern Teachers College must offer a minimum of fifteen units so chosen to include the basic units. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission to the Teachers College who have completed high school work in non-accredited institutions may validate their work by taking an examination before the com-

mittee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

OUTLINE OF ENTRANCE REQUIREMENTS

The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basic Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	1½-1	History and Civics	
Foreign Languages		History	1 -4
French	1 -3	Civics	1½-1
German	1 -3	Political Economy	½
Latin	1 -4	Education (including	
Spanish	1 -3	Psychology)	1½-1
Mathematics		Sciences	
Advanced Arithmetic ..	1½-1	Biology	1½-1
Advanced Algebra	1	Botany	1½-1
Solid Geometry	½	Chemistry	1½-1
Trigonometry	½	General Science	1½-1
		Geology	1½-1
		Physics	1½-1
		Physical Geography	1½-1
		Physiol. and Hygiene	1½-1½
		Sociology	½
		Zoology	1½-1

GROUP B

(Only four units may be offered in this group)

Agriculture	$\frac{1}{2}$ -4	Shop Work	$\frac{1}{2}$ -2
Bookkeeping	$\frac{1}{2}$ -1	Music	$\frac{1}{2}$ -1
Commercial Law	$\frac{1}{2}$	Stenography	$\frac{1}{2}$ -1
Commercial Geography ..	$\frac{1}{2}$	Surveying	$\frac{1}{2}$
Drawing—Freehand	$\frac{1}{2}$ -2	Salesmanship	$\frac{1}{2}$
Drawing—Mechanical	$\frac{1}{2}$ -2		
Home Economics	$\frac{1}{2}$ -4		

The minimum amount of credit allowed in any subject will be one-half unit.

SYSTEM OF GRADING

All grades are reported in letters on a five-point scale; highest, A; next highest B; middle group, C; next lowest groups, D and Z; lowest group F. The following is the interpretation placed upon the grading:

A—Excellent, valued at 3 points for each semester hour.

B—Good, valued at 2 points for each semester hour.

C—Average, valued at 1 point for each semester hour.

D—Poor, gives no points but gives credit toward certificate or degree if with such credits the student's standing is 1 or more.

I—Incomplete.

Z—Conditioned.

F—Failure, valued at 0 points for each semester hour.

The grades A, B, C, D, F, cannot be changed by an instructor. Each grade of I is changed by the instructor when the work has been completed. The grade of Z shall represent an attainment inferior to that of "D" and shall not entitle the pupil to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of D or higher, the Z shall be changed automatically to a grade of D. The standing of a student is defined as the ratio of his total number of points to his total number of hours. For any certificate of college rank or for a degree a student must offer a number of grade points at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

THE STUDENT LOAD

In the teachers college in a semester the usual load is sixteen semester hours; the maximum is eighteen semester hours, and the minimum for a full time student is twelve hours. In a summer term of six weeks the usual load is six semester hours; the maximum is seven, and the maximum for two summer terms in the same year is fourteen semester hours. The student who has average ability to carry work and is in normal health should register for a normal load. The very superior student with normal health may, with a good record already established, carry the maximum load. The student with ability below average, or in poor health, should register for less than the usual load. In addition to the load mentioned above freshmen and sophomores are required to take recreation.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points; and for a summer term: four semester hours of credit and four grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except that in case of a freshman with a smaller amount of credit than sixteen semester hours at the time of registration for the semester or the summer term in which the failure is made. Such freshman may be registered for such load as the Dean may assign provided that the load shall not be less than $8\frac{1}{2}$ semester hours nor more than $18\frac{1}{2}$ semester hours in a semester; and not less than $3\frac{1}{4}$ semester hours nor more than $6\frac{1}{4}$ semester hours in a summer term of six weeks. In each such case of reregistration a specific authorization of load shall

be entered on record by the Dean. The regular or routine approval of the program is not sufficient. The student is held responsible for getting the Dean's specific authorization.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the reregistration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester or summer term.

(c) The committee at its discretion may permit by waiver the reregistration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Dean as provided in (a) above and has failed the second time to meet the minimum standard.

CONTINUOUS STUDENTSHIP IS DESIRABLE

There has always been manifested in some degree among our students a tendency to register for a short period of time, take as much work as they are permitted to carry and in so doing frequently overload, discontinue the studentship at the end of a semester or year, and not return to the college for further study for a considerable period of time. Not infrequently changes in requirements or in the nature of an individual course are made in the absence of a student, the change thereby working to the disadvantage of the student on his return.

Students should have as their goal during their college careers scholarship as contrasted with credit. Thoroughgoing scholarship cannot be acquired by merely snatching information. It is highly desirable, therefore, and very much worth while to the student himself for the student to register expecting to continue his studentship without interruption until the completion of the curriculum. If he must drop out and teach at the end of two years, he should take continuously the courses making up the curriculum for the Standard Certificate; then he should come back later for two successive years and finish for the degree is the event of his deciding to take a degree.

If from the beginning he expects to take a degree, he should go steadily through until he reaches it.

In many instances the student thinks he must take a Standard Certificate when, if he could foresee conditions, he could take a degree, and in some of these cases it would be advantageous to do it that way.

It is not only advantageous in general to stay in college continuously until the curriculum is completed, but it would work to the advantage of many of our students to stay in the same college throughout the taking of the curriculum.

REQUIREMENTS FOR DEGREE AND COLLEGE CERTIFICATE

Residence: The candidate for a degree must have completed a minimum of thirty-six weeks in residence and have earned a minimum of thirty-two semester hours in residence, at least eighteen weeks of which must have been in senior year.

MINIMUM DEPARTMENTAL REQUIREMENTS

Prescribed by the Normal Executive Council

Education	18 hours
English	12 hours
Social Science	12 hours
Science	12 hours
Mathematics	7 hours
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Total	61 hours

MAJOR AND MINOR REQUIREMENTS

Prescribed by the Normal Executive Council:

Major: Minimum 24	First Minor: Minimum 18
	Second Minor: Minimum 12

The college will exercise the right of requiring that the work in major and minor fields be unified, coherent, and reasonably near to complete. In the case of majors or minors regarded as faulty the student will be required to do supplementary work even though that requirement may demand a greater amount of credit than is usually offered by the candidate for a degree.

RESTRICTIONS ON EXTENSION WORK

The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in resi-

dence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the grounds of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

SELECTION OF MAJOR AND MINOR SUBJECTS

Each candidate for a degree must file with the Registrar his elections of Major and Minors bearing the endorsement of the Dean. Any change in Major or Minors must likewise bear the endorsement of the Dean.

The final selection of Major and Minors must be made not later than the first semester of the junior year of college studentship and may not be changed later than one semester before graduation.

CURRICULUM LEADING TO THE DEGREE AND COLLEGE CERTIFICATE

Primary Grades

First Semester		Fourth Semester	
Biology 121	4 hrs.	Agriculture	2 hrs.
Education 102	3 hrs.	Education 114	3 hrs.
English 101	3 hrs.	Elective	3 hrs.
Handwriting	0 hrs.	English 212	3 hrs.
Health 100 or 101.....	3 hrs.	Mathematics 161	3 hrs.
Library Science 166.....	1 hr.	Physical Education 113	½ hr.
Music 162	2 hrs.	Social Science 161	3 hrs.
Physical Education 110	½ hr.		
			<hr/>
			17½ hrs.
	<hr/>		
	16½ hrs.		

Second Semester		Fifth Semester	
Biology 161	3 hrs.	English 164	2 hrs.
Education 111	3 hrs.	Elective	14 hrs.
Elective	2 hrs.		<hr/>
English 102	3 hrs.		16 hrs.
Industrial Arts 165.....	2 hrs.		
Physical Education 111	½ hr.		
Social Science 102.....	3 hrs.		
	<hr/>		
	16½ hrs.		

Third Semester		Sixth Semester	
Art 161	3 hrs.	Elective	13 hrs.
Elective	2 hrs.	*English 301	3 hrs.
English 161	2 hrs.		<hr/>
English 211	3 hrs.		16 hrs.
Geography and Geology			
101	3 hrs.		
Physical Education 112	½ hr.		
Social Science 103.....	3 hrs.		
	<hr/>		
	16½ hrs.		

Seventh Semester		Eighth Semester	
Education 262	2 hrs.	Education 341	3 hrs.
Elective	14 hrs.	Education 263	5 hrs.
	<hr/>	Elective	8 hrs.
	16 hrs.		<hr/>
			16 hrs.

*Not required if the candidate has credit in Freshman English, six semester hours, though students taking a major in English may well take this course.

**CURRICULUM LEADING TO THE DEGREE AND COLLEGE
CERTIFICATE**

Upper Grades and High School

First Semester

Education 102	3 hrs.
English 101	3 hrs.
Elective	3-1 hrs.
Handwriting	0 hrs.
Health 101-100	3 hrs.
Library Science 166	1 hr.
Physical Educa- tion 110	$\frac{1}{2}$ hr.
Science	3-5 hrs.
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15½-17½ hrs.	

Second Semester

Elective	7-5 hrs.
English 102	3 hrs.
Physical Educa- tion 111	$\frac{1}{2}$ hr.
Science	3-5 hrs.
Social Science 102	2 hrs.
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16½ hrs.	

Third Semester

Elective	10 hrs.
English 211	3 hrs.
Physical Educa- tion 112	$\frac{1}{2}$ hr.
Social Science 103	3 hrs.
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16½ hrs.	

Fourth Semester

Elective	10 hrs.
English 212	3 hrs.
Physical Educa- tion 113	$\frac{1}{2}$ hr.
Social Science 122	3 hrs.
<hr/>	
16½ hrs.	

Fifth Semester

Elective	13 hrs.
Education 111	3 hrs.
<hr/>	
16 hrs.	

Sixth Semester

Elective	11 hrs.
Education 262	2 hrs.
*English 301	3 hrs.
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16 hrs.	

Seventh Semester

Elective	11 hrs.
Education 263	5 hrs.
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16 hrs.	

Eighth Semester

Elective	13½-14 hrs.
Education 363 or Elective	2-2½ hrs.
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16 hrs.	

*Not required if the candidate has credit in Freshman English, six semester hours, though students taking a major in English may well take this course.

DEGREES WITHOUT PROFESSIONAL WORK AND WITHOUT CERTIFICATION PRIVILEGE

To procure the degree of Bachelor of Arts or Bachelor of Science, the student must satisfy the minimum departmental requirements prescribed by the Normal Executive Council except the requirement in education and in each case must present acceptable major and minors in accordance with the requirement of the Normal Executive Council. In addition to these requirements the candidate for a degree of Bachelor of Arts must take his major and minors in the fields ordinarily classed as acceptable for this degree and must present credit in foreign language as follows:

If three units of a language are presented for entrance	6 semester hours
If two units are presented.....	12 semester hours
If less than two units are presented.....	18 semester hours

The candidate for the degree of Bachelor of Science shall conform in his curriculum rather generally to that for the Bachelor of Arts degree, but he must offer at least 60 hours in sciences. For either degree the candidate should take the curriculum outlined for the degree and certificate for upper grade and high school except he should leave out the education.

CURRICULUM LEADING TO DEGREE WITH MAJOR IN COMMERCE

First Semester		Second Semester	
Commerce 122	4 hrs.	Commerce 123	4 hrs.
Commerce 151	2 hrs.	Commerce 115	3 hrs.
Commerce 121	2 hrs.	Commerce 152	2 hrs.
Commerce 131	1 hr.	Commerce 132	1 hr.
Education 102	3 hrs.	Education (Elective)	3 hrs.
English 101	3 hrs.	Physical Education 111	½ hr.
Library Science 166.....	1 hr.	Social Science 122	3 hrs.
Physical Education 110	½ hr.		
			<hr/>
			16½ hrs.
	<hr/>		
	16½ hrs.		

Third Semester	
Commerce 241	3 hrs.
Commerce 116	3 hrs.
Commerce 224	3 hrs.
Commerce 207	1 hr.
Education (Elective)	3 hrs.
English (Elective)	3 hrs.
Physical Education 112	½ hr.

16½ hrs.

Fourth Semester	
Commerce 203	3 hrs.
Commerce 261	3 hrs.
Commerce 209	3 hrs.
Elective	4 hrs.
Physical Education	½ hr.
Social Science	3 hrs.

16½ hrs.

Fifth Semester	
Commerce 205	3 hrs.
Commerce 242	2 hrs.
Education (Elective)	3 hrs.
Science (Elective)	5 hrs.
Social Science	3 hrs.

16 hrs.

Sixth Semester	
Commerce 206	3 hrs.
Commerce 201	3 hrs.
Elective	7 hrs.
Social Science 321.....	3 hrs.

16 hrs.

Seventh Semester	
Commerce 343	3 hrs.
Commerce 225	2 hrs.
English (Elective)	2 or 3 hrs.
Mathematics (Elec-	
tive)	3 or 4 hrs.
Science (Elective)	3 to 5 hrs.

16 hrs.

Eighth Semester	
Commerce 263	2½ hrs.
Education 263	2½ hrs.
Elective	6 hrs.
Mathematics (Elec-	
tive)	3 hrs.
Mathematics 241	2 hrs.

16 hrs.

CURRICULUM LEADING TO A BACHELOR OF SCIENCE DEGREE IN EDUCATION WITH A MAJOR IN HOME ECONOMICS (Non-Vocational)

Freshman Year

First Semester	
Biology 121	4 hrs.
Education 102 (Intro-	
duction to Teaching)	3 hrs.
English 101 (Freshman	
English)	3 hrs.
Home Economics 211—	
Textiles	2 hrs.
Geography and Geology	
101	3 hrs.
Library Science 166.....	1 hr.
Physical Education 110	
Recreation	½ hr.

16½ hrs.

Second Semester	
Chemistry 211—General	5 hrs.
English 102—Composi-	
tion	3 hrs.
Home Economics 103—	
Source, Selection and	
Cost of Foods	2 hrs.
Home Economics 111—	
Garment Construction	3 hrs.
Health 101—Sanitary	
Science	3 hrs.
Physical Education 111	
—Recreation	½ hr.

16½ hrs.

Sophomore Year

First Semester

Chemistry 212—Inorganic	5 hrs.
Education 111—Psychology	3 hrs.
Home Economics 101—Food Preparation	3 hrs.
Home Economics 112—Dressmaking	2 hrs.
Physical Education 112—Recreation	½ hr.
Social Science 102—American History	3 hrs.
	<hr/>
	16½ hrs.

Second Semester

Art 161—Drawing	3 hrs.
Education 114—Child Psychology	3 hrs.
Home Economics 102—Meal Planning and Serving	3 hrs.
Home Economics 224—Household Equipment	2 hrs.
Mathematics 163—Arithmetic	3 hrs.
Physical Education 113—Recreation	½ hr.
Social Science 103—American History	3 hrs.
	<hr/>
	17½ hrs.

Junior Year

First Semester

Art 372—Applied Art....	3 hrs.
Biology 381—Physiology	4 hrs.
Chemistry 214—Food and Nutrition	5 hrs.
Education 262—Observation and Methods....	2 hrs.
Mathematics 241—Statistics and Graphs....	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 361—Teaching of General Science	
or	
Education 362—Teaching of Chemistry	
or	
Education (Elective) ..	3 hrs.
Home Economics 222—The House	3 hrs.
Home Economics 315—Clothing Design	3 hrs.
Home Economics 361—Principles of Home Economics Education	2 hrs.
Mathematics (Elective)	3 hrs.
Social Science 122—Principles of Economics	3 hrs.
	<hr/>
	17 hrs.

Senior Year

First Semester		Second Semester	
English 211—Literature	3 hrs.	Education 263—Student Teaching	5 hrs
Health 313—Bacteriology	5 hrs.	English (Elective)	2 or 3hrs.
Home Economics 231—Home Nursing or		Electives	4 hrs.
Home Economics 331—Child Care	2 hrs.	Home Economics 321—House Management ..	5 hrs.
Home Economics 201—Dietetics	3 hrs.		
Home Economics 316—Tailoring	2 hrs.		16 or 17 hrs.
Social Science 321—Sociology	3 hrs.		
	<hr/>		
	18 hrs		

**CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF
SCIENCE IN EDUCATION WITH A MAJOR IN HOME
ECONOMICS FOR VOCATIONAL TEACHING**

Freshman Year

First Semester		Second Semester	
Art 161	3 hrs.	Chemistry 211	5 hrs.
Biology 121	4 hrs.	Education 102	3 hrs.
English 101	3 hrs.	English 102	3 hrs.
Health 101	3 hrs.	Home Economics 103....	2 hrs.
Home Economics 211....	2 hrs.	Home Economics 111....	3 hrs.
Library Science	1 hr.	Physical Education 111	½ hr.
Physical Education 110	½ hr.		
	<hr/>		
	16½ hrs.		16½ hrs.

Sophomore Year

First Semester		Second Semester	
Chemistry 215	5 hrs.	Education 262	2 hrs.
Education 111	3 hrs.	Education 114	3 hrs.
Home Economics 101	3 hrs.	Home Economics 102	3 hrs.
Home Economics 112	2 hrs.	Home Economics 224....	2 hrs.
Physical Education 112	½ hr.	Mathematics (Elective)	3 hrs.
Social Science 102.....	3 hrs.	Physical Education 113	½ hr.
	<hr/>	Social Science 103 or	
	16½ hrs.	111	3 hrs.
			16½ hrs.

Junior Year**First Semester**

Art 372	3 hrs.
Chemistry 313	5 hrs.
English (Elective)	3 hrs.
Home Economics 315	3 hrs.
Social Science 222.....	3 hrs.
<hr/>	
	17 hrs.

Second Semester

Biology 381	4 hrs.
Education (Elective)	2 hrs.
Home Economics 222....	3 hrs.
Home Economics 361....	3 hrs.
Mathematics (Elective) ..	2 hrs.
Social Science 231	3 hrs.

 17 hrs.
Senior Year**First Semester**

English (Elective)	3 hrs.
Health 303	5 hrs.
Home Economics 231 ..	2 hrs.
Home Economics 301....	3 hrs.
Home Economics 331	2 hrs.
Mathematics (Elective) ..	2 hrs.

 17 hrs.
Second Semester

Education 263	5 hrs.
Elective	3 hrs.
Home Economics 316....	3 hrs.
Home Economics 321....	5 hrs.

 16 hrs.

**CURRICULUM LEADING TO A BACHELOR OF SCIENCE DEGREE
IN EDUCATION WITH A MAJOR IN PHYSICAL EDUCATION**

Freshman Year**First Semester**

Biology 121	4 hrs.
Education 102	3 hrs.
English 101	3 hrs.
Health 100 (Women)....	3 hrs.
Health 101 (Men)	3 hrs.
Library Science 166.....	1 hr.
Physical Education 110	$\frac{1}{2}$ hr.
Physical Education 114	2 hrs.
Physical Education 115	1 hr.

 17½ hrs.
Second Semester

Education 111	3 hrs.
Elective	4 hrs.
English 102	3 hrs.
Health 101 (Women)	3 hrs.
Health 100 (Men)	3 hrs.
Health 202	1 hr.
Physical Education 111	$\frac{1}{2}$ hr.
Physical Education 130	
(Men)	1 hr.
Physical Education 131	
(Women)	1 hr.
Physical Education 221	1 hr.

 16½ hrs.

Sophomore Year

First Semester		Second Semester	
Chemistry 211	5 hrs.	Chemistry 212	5 hrs.
Music	3 hrs.	Education 114	3 hrs.
Physical Education 112	$\frac{1}{2}$ hr.	Mathematics (Elective)	2 hrs.
Physical Education 230		Physical Education 113	$\frac{1}{2}$ hr.
(Men)	1 hr.	Physical Education 222	2 hrs.
Physical Education 240		Physical Education 268	2 hrs.
(Women)	1 hr.	Social Science 103.....	3 hrs.
Physical Education 266	3 hrs.		
Physical Education 267	2 hrs.		17 $\frac{1}{2}$ hrs.
Social Science 102.....	3 hrs.		
	17 $\frac{1}{2}$ hrs.		

Junior Year

First Semester		Second Semester	
Education 262	2 hrs.	Education 361	3 hrs.
English 131	3 hrs.	English 211	3 hrs.
Health 300	2 hrs.	Health 301	2 hrs.
Health 365	3 hrs.	Mathematics 241	2 hrs.
Mathematics (Elective)	3 hrs.	Physical Education 211	$\frac{1}{2}$ hr.
Physical Education 210	$\frac{1}{2}$ hr.	Physical Education 231	2 hrs.
Social Science 122.....	3 hrs.	Physical Education 261	
		(Men)	1 hr.
	16 $\frac{1}{2}$ hrs.	Physical Education 262	
		(Women)	1 hr.
		Social Science 111.....	3 hrs.
			16 $\frac{1}{2}$ hrs.

Senior Year

First Semester		Second Semester	
Education 263	5 hrs.	Education 331	2 hrs.
Elective	5 hrs.	Elective	7 hrs.
Health 362	2 hrs.	Health 303	5 hrs.
Physical Education 212	$\frac{1}{2}$ hr.	Physical Education 213	$\frac{1}{2}$ hr.
Physical Education 250		Physical Education 215	
(Men)	3 hrs.	(Women)	1 hr.
Physical Education 251		Physical Education 265	
(Women)	3 hrs.	(Men)	1 hr.
Physical Education 264		Physical Education 223	2 hrs.
(Men)	1 hr.		
Physical Education 214			17 $\frac{1}{2}$ hrs.
(Women)	1 hr.		
	16 $\frac{1}{2}$ hrs.		

MUSIC SUBJECTS REQUIRED FOR A DEGREE WITH A MAJOR IN SCHOOL MUSIC.

First Semester			Fifth Semester		
151	Harmony	2	211a	Piano	2
152	Sight Singing	1	261	Grade Methods	2
Second Semester			Sixth Semester		
153	Harmony	2	211b	Piano	2
154	Sight Singing	1	164	Conducting	2
Third Semester			Seventh Semester		
138	String Class	1	212a	Piano	2
251	Harmony	2	221a	Voice	2
252	Sight Singing	1	202	History	2
Fourth Semester			Eighth Semester		
148	Wind Class	1	203	Music History	2
253	Harmony	2	212b	Piano	2
254	Sight Singing	1	361	Supervision	2

CURRICULUM LEADING TO BACHELOR DEGREE WITH MAJOR OR MINOR IN MUSIC

Major: For the degree of Bachelor of Arts in Education the student must meet the minimum departmental requirements laid down by the Normal Executive Council, and in addition thereto offer twenty-two hours in professional and theoretical music; eight hours in piano or be able to play third grade music; two hours in voice, with additional instruction in voice without credit unless student can sing with correct tone production and pleasing quality; one hour in stringed instrument class; and one hour in wind instrument class.

Five hours of Supervised Student Teaching in music, Education 263 and Education 363, are offered. Two and one-half hours are required for a major in school music, together with two and one-half hours in some other subject.

All music majors are required to take at least two years of orchestra and two years of glee club.

An examination in piano is required of music majors before they are granted a degree.

Minor: A minimum of eighteen hours is required for a first minor. Ten of these may be applied in music.

A minimum of twelve hours is required for a second minor. Eight of these may be in applied music.

Elective: With neither a major nor a minor in music, twelve hours of music may be elected, of which eight may be

in applied music. The student is restricted to those theoretical and professional courses for which he is prepared.

REQUIREMENTS FOR THE DIPLOMA IN MUSIC

Occasionally a student who is working toward a degree with a major in music either finds that he must drop out and teach for a while or a school system needs a teacher of music so badly as to seem to justify him in dropping out for a while. In order that such situations may be met by the teacher who is prepared to teach music with a fair degree of ability and at the same time teach some other subjects, a diploma in music is provided. To qualify for this diploma, the student must qualify for the Standard Certificate, and in addition to that, he must take twenty-six hours in music as follows:

101	Appreciation	2	152	Sight Singing and Ear	
				Tr.	1
211	Piano	10	154	Sight Singing and Ear	
				Tr.	1
222	Voice	4	261	Grade School Meth. and	
				Mat'ls	2
151	Harmony I	2	164	Conducting	2
153	Harmony II	2			

REQUIREMENTS FOR THE STANDARD CERTIFICATE

Departmental Requirements for the Standard Certificate

Prescribed by Normal Executive Council

	Minimum hours required.	Maximum hours accepted.
*Agriculture	2	12
Art	1	6
Education	12	18
**English	9	16
Geography	3	9
Health	2	6
Mathematics	2	16
Music	1	12
Physical Education	1	4
Science	6	20
Social Science	6	12

In addition to meeting the minimum requirements the applicant must have completed one of the outlined curricula for the Standard Certificate and secure a pass in handwriting.

*Not required if the student offered as much as one unit in agriculture for entrance.
 **One survey course is required.

TWO YEAR COLLEGE CURRICULUM LEADING TO THE STANDARD CERTIFICATE

Primary (Grades I to IV inclusive)

First Semester

Biology 121	4 hrs.
Education 102	3 hrs.
English 101	3 hrs.
Handwriting	0 hrs.
Health 101	3 hrs.
Library Science 166.....	1 hr.
Music 162	2 hrs.
Physical Education 110	½ hr.

16½ hrs.

Third Semester

Agriculture	3 hrs.
Education 262	2 hrs.
English 212	3 hrs.
English 161	2 hrs.
Geography & Geology ..	3 hrs.
Home Economics 101	3 hrs.
Physical Education 112	½ hr.

16½ hrs.

Second Semester

Art 161	3 hrs.
Biology	2 or 3 hrs.
Education 111	3 hrs.
English 102	3 hrs.
Industrial Arts 165	2 hrs.
Physical Education 111	½ hr.
Social Science 102	3 hrs.

17½ hrs.

Fourth Semester

Education 263	5 hrs.
English 164	2 hrs.
Geography & Geology	2 hrs.
Mathematics 161	3 hrs.
Physical Education 113	½ hr.
Social Science 161	3 hrs.

15½ hrs.

THIRD AND FOURTH YEAR CURRICULUM

(For Those Who Have Completed the Foregoing Two-Year Curriculum
and Returned After an Interval of Teaching to Prepare
Themselves Further for Teaching).

Fifth Semester

Education 114	3 hrs.
Electives	7 hrs.
English 211	3 hrs.
Social Science 103	3 hrs.

16 hrs.

Seventh Semester

Electives	14 hrs.
*English 301	3 hrs.

17 hrs.

Sixth Semester

Electives	13 hrs.
Social Science 122	3 hrs.

16 hrs.

Eighth Semester

Education 341	3 hrs.
Electives	13 hrs.

16 hrs.

*Not required if candidate has credit for six semester hours in Freshman English, though those taking a major in English may well take the course.

TWO-YEAR COLLEGE CURRICULUM LEADING TO THE STANDARD CERTIFICATE

Upper Grades (Grades V to VIII Inclusive)

First Semester		Third Semester	
Biology 121	4 hrs.	Agriculture	3 hrs.
Education 102 or 121..	2 or 3 hrs.	Education 262	2 hrs.
English 101	3 hrs.	English 163	3 hrs.
Handwriting	0 hrs.	English 211	3 hrs.
Health 101 or 100	3 hrs.	Home Economics or	
Library Science 166	1 hr.	Industrial Arts	3 hrs.
Music 163	2 hrs.	Physical Education 112	½ hr.
Physical Education 110	½ hr.	Social Science 102	3 hrs.
<hr/>		<hr/>	
15½-16½ hrs.		17½ hrs.	
Second Semester		Fourth Semester	
Art or Industrial Arts....	3 hrs.	Education 263	5 hrs.
Education 111	3 hrs.	English 165	2 hrs.
English 102	3 hrs.	Mathematics 163	3 hrs.
Geography & Geology....	3 hrs.	Physical Education 113	½ hr.
Physical Education 111	½ hr.	Social Science 103	3 hrs.
Science	2 or 4 hrs.	Social Science 111	3 hrs.
<hr/>		<hr/>	
14½-16½ hrs.		16½ hrs.	

TWO-YEAR COLLEGE CURRICULUM LEADING TO THE STANDARD CERTIFICATE

Rural (Grades I to VIII Inclusive)

First Semester		Third Semester	
Biology 121	4 hrs.	Agriculture 243	3 hrs.
Education 102 or 121....	2 or 3 hrs.	Education 262	2 hrs.
English 101	3 hrs.	English 211	3 hrs.
Handwriting	0 hrs.	Industrial Arts or	1-3 hrs.
Health 101 or 100	3 hrs.	Home Economics	2-3 hrs.
Library Science 166	1 hr.	Physical Education 112	½ hr.
Music 161	2 hrs.	Social Science 102 or	
Physical Education 110	½ hr.	103	3 hrs.
<hr/>		Social Science 161	3 hrs.
15½-16½ hrs.		<hr/>	
15½-17½ hrs.			
Second Semester		Fourth Semester	
Art 161	3 hrs.	Education 263	5 hrs.
Education 111	3 hrs.	English 161	2 hrs.
English 102	3 hrs.	English 164 or 165	2 hrs.
Geography & Geology..	3 hrs.	Mathematics 162	3 hrs.
Physical Education 111	½ hr.	Physical Education 113	½ hr.
Science	2 or 4 hrs.	Social Science 111	3 hrs.
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14½-16½ hrs.		15½ hrs.	

REQUIREMENTS FOR COLLEGE ELEMENTARY CERTIFICATE

Candidates for the College Elementary Certificate must have completed the work outlined below.

Students who are not planning to take the College Elementary Certificate at the close of the first semester of residence should follow the first semester outlined for one of the Standard Certificate curricula.

CURRICULUM FOR THE COLLEGE ELEMENTARY CERTIFICATE

The following three courses are required of every applicant:

English	3 hours
Education (Introduction to Teaching or Management)	3 hours
Arithmetic (Teacher's Arithmetic)	2-3 hours

The remaining work must be selected from the following courses:

Geography	3 hours
American History	3 hours
Agriculture	3 hours
Music	1 hour
Spoken English	2 hours
Reading in Elementary Schools	2 hours

DEPARTMENT OF AGRICULTURE

Mr. Carter

Mr. Gumbert

Agriculture 111. Farm Crops. (2 hours.) First summer term—Daily, second period.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops; crop improvement; storage and marketing; crop rotation; judging grain; testing seeds.

***Agriculture 115.** Soils. (3 hours.) Second semester—M., W., F., fourth period.

Purpose: To give the student a thorough knowledge of soil physics and soil management; to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

***Agriculture 121.** Feeds and Feeding. (3 hours.) Second semester—M., W., F., sixth period. First summer term—Daily, seventh period. (2 hours.)

Purposes: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Note: Students should not enroll for this course until they have had a semester's work in Biology and Chemistry.

***Agriculture 126.** Farm Poultry. (3 hours.) Second semester—M., W., F., second period. (Laboratory work by arrangement).

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds; poultry house construction; feeds; balanced rations; poultry diseases; egg production; meat production; culling of flock; pests; grading and marketing poultry products.

***Agriculture 131.** General Horticulture. (3 hours.) Second semester—M., W., F., fourth period. (Laboratory by arrangement).

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 223. Market Milk. (3 hours.) Second semester—Lecture, M., W., F., seventh period. First summer term—(2 hours.) Lecture M., W., F., sixth period. Laboratory, Tu., Th., sixth and seven periods.

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk; milk as a food; milk in its relation to public health; bacteriology of milk; dairy farm inspection; scoring milk and cream; cost of milk production; milk plants; pasteurization; refrigeration, etc.

***Agriculture 224.** Dairy Farming. (3 hours.) First semester—M., W., F., seventh period.

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds; judging; breeding; feeding; calf raising; pedigrees; advanced registry; dairymen's association; dairy barn construction; equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours.)

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

***Agriculture 241.** Agricultural Economics. (2 hours.) Second summer term—Daily, seventh period.

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation; farm equipment; the size of farms; farm labor and wages; farm credit; insurance needs of the farmer; tenant farming; rent and profit; marketing; farm products; crop estimates and forecasts; price fixing and the cost of farm products; the social side of farm life; the future of the farmer, etc.

Note: Students who have not had work in Economics or Agriculture, should not enroll for this course.

***Agriculture 243. Rural Sociology. (3 hours.)** First semester—M., W., F., sixth period. Second semester—M., W., F., sixth period.

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life; movements of population; isolation of rural people; agricultural production; farm tenancy; rural health; rural homes; rural churches, etc.

Agriculture 245. Farm Records and Accounts. (3 hours.) First semester—M., W., F., fourth period.

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises.

Topics: Ruling and preparing farm records; private personal accounts; financial statement; principles of double entry; journalizing, posting, trial balance and balance sheet; closing the ledger; bills receivable and bills payable; banking; the business letter, business forms and office equipment. Special exercises with farm inventory, financial statements, cost accounts of crops and live stock, and annual statement. The office records of New Stateland Farm will be available for purposes of class study.

Agriculture 251. Farm Engineering. (3 hours.) To be offered on demand.

A course involving a study of farm machines, their operation and care; farm structure; use of concrete on the farm, and the principles of drainage.

***Agriculture 347. Farm Management. (2 hours.)** Second summer term—Daily, fourth period.

Purpose: This course is intended to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms and prescribe remedies.

Topics: Personal characteristics desirable for a farmer; profits; cost of living on farms; types of farming; maintaining the fertility of the soil; live stock problems; distribution in the farm enterprises; farm labor; renting land; farm equipment. Desirable farm layouts and cropping systems are examined with special study of some successful and unsuccessful farm enterprises.

Agriculture 348. (New.) Marketing. (2 hours.) Second semester—T., T., sixth period. Second summer term—Daily, second period.

Purpose: To study the underlying principles of cooperative marketing.

Topics: The history of co-operative marketing; farmers' associations non-political in their nature; farmers' associations in politics; farm blocs; pooling the pool that controls production; dealing with non-pool producers; the Federal Farm Board.

Agriculture 163. General Agriculture. (3 hours.) Second semester—Section, 1, M., W., F., eighth period. Section 2, T., T., S., third period. First summer term—Section 1, Daily, fourth period. Section 2, Daily, eighth period. Second summer term—Daily, fourth period. (2 hours.)

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. This course should be helpful to county school superintendents and principals of rural schools as well as grade teachers. Use is made of some elementary texts, bulletins and assigned reading.

Note: Students who enroll for one course in agriculture to satisfy the requirements in this subject for the standard certificate should enroll for this course.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval from the Dean.

Hours and assignments will be arranged for with the instructor in charge. For example, if a student desires a practicum in poultry management, the assignment will be made by the instructor of the particular work. The course will be listed on the student's schedule card as Agriculture 126a, Practicum in Farm Poultry. The same procedure will apply in other courses where practicums may be offered.

Courses marked () are especially designed for students majoring in this department.

DEPARTMENT OF ART

Miss Gibson

Art 251. Advanced Freehand Drawing. (3 hours.) First semester—M., W., F., first and second periods.

Purpose: Continuation of Art 161.

Topics: Charcoal drawing; blackboard drawing; pen and ink drawings.

Art 252. Drawing and Painting. (3 hours). Second semester—M., W., F., first and second periods. Second summer term—daily, first and second periods. (2 hours.)

Purpose: To give the students the fundamentals of oil painting.

Topics: Mixing colors; applied designs; landscape composition.

Art 161. Public School Art. (3 hours.) First semester—Section 1, Tu., Th., S., first period. Section 2, M., W., F., sixth period. Second semester—Section 1, Daily, fourth period. (First 9 weeks.) Section 2, Daily, fourth period. (Second 9 weeks.) Section 3, M., W., F., sixth period. Section 4, M., W., F., seventh period. First summer term (Credit 2 hours during summer term.)—Section 1, daily, sixth period. Section 2, daily, seventh period. Second summer term, daily, fifth period.

Purpose: To present the fundamental principles of drawing and design from the professional point of view.

Topics: Color study; picture study; illustration; poster making projects.

Art 372. Applied Design. (3 hours.) First semester, Tu., Th., S., third and fourth periods.

Purpose: The purpose of this course is to develop skill in the application of the principles of design.

Topics: Decoration of common objects; creative design; color as related to costumes and interior decoration.

Art 291. Art Appreciation. (3 hours.) First semester—M., W., F., seventh period. Second semester—Tu., Th., S., third period. First summer term—Daily, fourth period. (2 hours.)

Purpose: The purpose of this course is to enable the student to interpret, select, and enjoy fine art in its various forms.

Topics: Analysis of pictures; sculpture; architecture; textiles and furniture.

DEPARTMENT OF BIOLOGY

Mr. Rumbold

Miss Pearson

Biology 121. (Formerly 109.) General Biology. (4 hours.) First semester—Section 1, Lecture, Th., second period. Section 2, Lecture, Th., sixth period. Section 1, Quiz, M., sixth period. Section 2, Quiz, M., eighth period. Section 3, Quiz, Tu., second period. Section 4, Quiz, Tu., sixth period. Section 5, Quiz, Tu., eighth period. Section 1, Laboratory, T., T., first and second periods. Section 2, Laboratory, T., T., fifth and sixth periods. Sections 3, Laboratory, T., T., seventh and eighth periods. Second semester—Section 1, Lecture, Th., second period. Section 2, Lecture, Th., sixth period. Section 1, Quiz, M., sixth period. Section 2, Quiz, M., eighth period. Section 3, Quiz, Tu., second period. Section 4, Quiz, Tu., sixth period. Section 5, Quiz, Tu., seventh period. Section 1, Laboratory, M. W., seventh and eighth periods. Section 2, Laboratory, T., T., fifth and sixth periods. Section 3, Laboratory, T., T., seventh and eighth periods. Spring term—Lecture, M. W., fourth period. Quiz, T., T., fourth period. Laboratory, M., T., W., T., fifth and sixth periods. First summer term—Lecture, M., W., F., fourth period. Quiz, Section 1, T., T., fourth period. Section 2, Quiz, T., T., fifth period. Section 1, Laboratory, Daily, first and second periods. Section 2, Laboratory, Daily, seventh and eighth. Second summer term—Lecture, M., W., F., fourth period. Quiz, T., T., fourth period. Laboratory, Daily, first and second.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system, embryology. Homology and analogy; protective coloration; adaptation, and genetics.

Biology 325. Genetics. (3 hours.) Second semester—M., W., F., second period.

Prerequisite: Biology 121, 231 or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's Laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 327. (New) Animal Behavior. (2 hours.) Not offered 1930-31.

Prerequisite: Biology 121.

Purpose: To deal with the development of mind in animals and how they respond to stimuli.

Topics: Tropisms, course of development in nervous systems, color and color response in animals, temperature and reactions to temperature, action systems, levels of learning, evolution of animal intelligence, instincts and intelligence, evidences of gustatory and olfactory sensitivity in the animal kingdom.

Biology 328. (New) Animal Ecology. (2 hours.) Second summer term—Daily, sixth period.

Prerequisite: One year of Biology.

Purpose: This course proposes a consideration of the natural history of animals; the relation of animals to their surroundings; and the responses of organisms to the factors of their environment.

Topics: Physical and chemical ecological factors, biological factors, succession, marine and fresh water animals, terrestrial animals, relation of animals to plants, relation of animals to color, intraspecific relations, interspecific relations, the economic relations of ecology.

Biology 231. General Botany. (4 hours.) First semester—M., W., F., first and second periods.

Purpose: This is an introductory course in botany and may be taken in place of Biology 121 by students who intend to major or minor in biology, its purpose being to give the student fundamental knowledge concerning the structure and physiological processes of the seed plants; to acquaint the student with the structure, reproduction, relationships and economic importance of representatives from the four great plant groups; to give the student a conception of certain botanical principles.

Topics: The structures and functions of roots, stems, leaves and flowers; cell structure and growth; detailed study of one or two of the representative forms from the Thallophytes, Bryophytes, Pteridophytes, and Spermatophytes.

Biology 232. Advanced General Biology. (4 hours.) Not to be offered 1930-31.

Prerequisite: Biology 231.

Purpose: To give the student a wider acquaintance with the plant kingdom than was obtained in Biology 231; to broaden his knowledge of the field of botany as a whole.

Topics: Several representatives from the three lowest of the great groups of plants are studied as to their structure, reproduction and economic importance; the students are instructed in the use of the key, thereby teaching them to identify and classify the local flora; history of Botany; plant genetics; plant development.

Biology 233. Plant Diseases. (3 hours.) First semester—Lecture F., sixth period. Laboratory, M., W., fifth and sixth periods.

Prerequisite: Biology 231 or 121 and permission of instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States; to acquaint the student with the general problems in the field of plant pathology.

Topics: Several plant diseases will be studied with regard to their symptoms, causes, and means of spread. Life history of the causal organism, economic importance of the disease, and methods of control.

Biology 234. (New.) Plant Physiology and Ecology. (3 hours.) Second semester—Lecture, S., first period. Laboratory, T., T., first and second periods.

Prerequisite: Biology 231.

Purpose: To give information concerning the physiological processes of plants and plant organs; to study plants in relation to their environment.

Topics: The study of absorption, transpiration, food making, respiration, and growth; adjustments of plants to their environment; plant distribution; plant societies.

Biology 235. (New.) Systematic Botany. (2 hours.) Not to be offered 1930-31.

Prerequisite: Biology 231 or 121.

Purpose: To familiarize the student with the local flora; to instruct in the use of the key; to give information concerning the structure and classification of the flowering plants.

Topics: A study of the most important families of the flowering plants, including their structure, classification, and identification. The families of economic importance will be emphasized.

Biology 239. (New.) Plant and Animal Histology. (2 hours.) not offered 1930-31

Prerequisite: Biology 231, 241, and 242. (121 may be substituted for either 241 or 242.)

Purpose: To acquaint the student with methods for collecting and preserving plant and animal tissue for the classroom use or for technical study; to give the student practice in identifying plant and animal tissues.

Topics: Preservation of specimens; methods in the making of microscopic slides; study of plant and animal tissues.

Biology 241. Invertebrate Zoology. (4 hours.) Not offered 1930-31.

Purpose: This course is intended for students who desire to major in the biological sciences and should be taken in place of Biology 121; a survey of the lower forms of the animal kingdom.

Topics: Protozoa; porifera; coelenterata; ctenophora; platyhelminthes; nemathelminthes; annelida; echinodermata; mollusca; arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours.) First semester—Lecture, T., T., seventh period. Laboratory, T., T., third and fourth periods. First summer term—Lecture, Daily, sixth period. Laboratory, Daily, first and second periods.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 243. Economic Entomology. (4 hours.) First semester—M., W., F., first and second period. Prerequisite: Biology 121 or 241.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 244. Animal Parasites. (4 hours.) Not offered 1930-31. Prerequisite: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trichina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Arachnida (mites and ticks); Arthropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 161. Nature Study. (3 hours.) Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours.)

Purpose: To give the student an acquaintance with and an appreciation of nature, as well as to give him teachable information; to acquaint him with nature study literature.

Topics: This course includes a study of plants and animals, their recognition, habits, growth, adaptation to environment, relation to man and to each other. Methods of presentation are discussed.

Biology 261. (Formerly 100. Same as Education 361.) Teaching of General Science in the Secondary Schools. (3 hours.)

Biology 381. Animal Physiology. (4 hours.) Second semester—Lecture, M., W., F., first period. Laboratory, Thurs., seventh and eighth.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

DEPARTMENT OF CHEMISTRY

Mr. Cox

Mr. Herndon

INTRODUCTORY STATEMENT

The courses in chemistry are arranged with reference to the needs of the students preparing for science teaching in high schools, medicine, agriculture, home economics, industrial work, engineering, and graduate work in chemistry.

Requirements for a major in chemistry; Chemistry 211, 212, 213, 215, 216, and 312.

Chemistry 211. General Chemistry. (5 hours.) First semester—Lectures, M., W., F., fourth period. Section 1, Laboratory, Tu., Thu., third and fourth periods. Section 2, Laboratory, Tu., Th., fifth and sixth periods. Second semester—Lectures, M., W., F., fourth period. Section 1, Laboratory, Tu., Thu., fifth and sixth periods. Section 2, Laboratory, Tu., Th., seventh and eighth periods. First summer term—Lectures, second period, Daily. Laboratory, fifth and sixth periods, Daily. Second summer term—Lectures, second period, Daily. Laboratory, fifth and sixth periods, Daily. (4 hours.)

Purpose. The purpose of this course is to give the student a fundamental conception of the laws that control chemical processes and their applications.

Topics: (a) A brief history of the development of the science of chemistry; (b) chemical nature of matter; (c) preparation and properties of oxygen, hydrogen, nitrogen, carbon, chlorine, and sodium; (d) the gas laws; (e) the chemistry and purification of water; (f) the theory of solutions; (g) acids, bases and salts and neutralization; (h) microcosmic chemistry; (i) the theory of ionization and its applications.

Chemistry 212. Inorganic Chemistry. (5 hours.) Second semester—Lectures, M., W., F., sixth period. Section 1, Laboratory, Tu., Th., first and second periods. Section 2, Laboratory, Tu., Th., third and fourth periods. Second summer term—Lecture, fourth period, Daily. Laboratory, fifth and sixth periods Daily. (4 hours.) Prerequisite: Chemistry 211.

Purpose: Continuation course of Chemistry 211.

Topics: (a) Nitrogen and compounds; (b) sulfur and compounds; (c) phosphorous and compounds; (d) ceramics; (e) law of mass action and equilibrium; (f) colloids; (g) metallurgy; (h) radioactivity; (i) periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (5 hours.) First semester—Lectures, M., F., first period. Laboratory, Tu., Th., S., first and second periods. First summer term—Lectures, first period, Daily.

Laboratory, sixth and seventh periods, Daily. (4 hours.) Prerequisites: Chemistry 211, 212.

Purpose: A continuation of inorganic chemistry with special reference to the separation and identification of the metals and non-metals.

Topics: (a) Simple equilibrium; (b) complex equilibrium; (c) solubility product law; (d) law for precipitation; (e) law of solution; (f) law of the common-ion; (g) determination of the dielectric constants; (h) Werner's theory of complex salts.

Chemistry 214. Food Chemistry. (5 hours.)

Second semester—Lectures, M., W., F., first period. Laboratory, Tu., Th., fifth and sixth periods. Prerequisite: Chemistry 215.

Purpose: To study the composition of foods in relation to nutrition and production.

Topics: (a) Chemical elements involved in nutrition of the human body; (b) quantitative determination of the nutrients in different foods; (c) classification and chemistry of nutrients; (d) study of complete diets; (e) practical dietetics; (f) preservation of foods.

Chemistry 215. Organic Chemistry. (5 hours.) First semester—Lecture, M., W., F., second period. Laboratory, S., first, second, third and fourth periods. First summer term—Lectures, fourth period, daily. Laboratory, seventh and eighth periods, daily, (4 hours.) Prerequisites: Chemistry 211, 212.

Purpose: To acquaint the student with the aliphatic hydrocarbons and their derivatives.

Topics: (a) Methane series and derivatives; (b) ethylene series and derivatives; (c) acetylene series and derivatives; (d) chemistry of glucids, lipids, protids, and vitamins; (e) identification of organic substances.

Chemistry 216. Quantitative Analysis. (5 hours.) Second semester—Lectures, M., W., F., fourth period. Laboratory, Tu., Th., seventh and eighth periods. Second summer term—Lectures, first period, daily. Laboratory, fifth and sixth periods. (4 hours.) Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determinations.

Topics: (a) The principle and use of analytical balances; (b) calibration of weights; (c) the laws of partition; (d) principles of stoichiometry; (e) quantitative determinations of ordinary metals and non-metals; (f) gravimetric, volumetric, and electrolytic determinations.

Chemistry 311. Advanced Quantitative Analysis. (3 hours.) First semester—Lectures, M., W., F., sixth period. Laboratory, (Hours to be arranged.) Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: (a) Analysis of ores; (b) use of potentiometer in the determination of hydrogen-ion concentration; (c) gas analysis; (d) the principle and use of nephelometer and colorimeter, polariscope, refractometer, combustion train, and microscopy.

Chemistry 312. Advanced Organic Chemistry. (5 hours.) Second semester—Lectures, M., W., F., seventh period. Laboratory, S., first, second, third, and fourth periods. Second summer term—Lectures, second period, daily. Laboratory, seventh and eighth periods, daily. (4 hours.) Prerequisite: Chemistry 215.

Purpose: To familiarize the student with the cyclic and heterocyclic hydrocarbons.

Topics: (a) Coal tar and fractions; (b) benzene and nucleus; (c) halogenation, nitration, sulphonation and aminization of the benzene series; (d) orientation; (e) dyes and their application; (f) alkalis; (g) essential oils.

Chemistry 313. Bio-chemistry. (5 hours.) First semester—Lectures, M., W., F., first period. Laboratory, Tu., Th., seventh and eighth periods. Prerequisite: Chemistry 211, 215.

Purpose: To acquaint the student with the chemical reactions of digestion and Metabolism.

Topics: (a) Qualitative tests for digested substances in vivo, in vitro; (b) chemical nature of muscle; bone, and blood; (c) chemistry of oral digestion, gastric digestion, intestinal digestion; (d) determination of hydrogen-ion concentration of gastric secretion; (e) urine analysis; (f) blood analysis.

Chemistry 314. Agricultural. (5 hours.) Alternate years with Chemistry 316. First semester—Lectures, M., W., F., fourth period. Laboratory, Tu., Th., seventh and eighth periods. Prerequisites: Chemistry 215 and 216.

Purpose: This course is especially designed for agricultural majors.

Topics: (a) Chemistry of plant and animal growth; (b) phytochemistry; (c) qualitative analysis of fertilizers; (d) complete soil analysis of the New Stateland Farm; (e) excursions to the phosphate mines at Versailles, Kentucky; (f) survey of agricultural chemical literature.

Chemistry 315. Physical Chemistry. (5 hours.) Second semester—Lectures, M., W., second period. Laboratory, Tu., Th., sixth, seventh and eighth periods. Prerequisites: Chemistry 216 and 312.

Purpose: To broaden the student's conception of chemical laws and to illustrate inter-relationship of chemistry and physics.

Topics: (a) Quantitative determination of the kinetic theory; (b) gas laws and molecular weights; (c) Debye's theory of the dielectric constants; (d) potentiometric titrations; (e) radioactivity and atomic disintegration; (f) phase rule; (g) laws of thermodynamics.

Chemistry 316. Textile Chemistry. (5 hours.) Alternate years with Chemistry 314. First semester—Lectures, M., W., F., fourth

period. Laboratory, Tu., Th., seventh and eighth periods. Prerequisite: Chemistry 215.

Purpose: To acquaint the students with the textile industry and the chemical nature of textile fibers. This course is especially designed for Home Economic majors who expect to teach textiles and clothing.

Topics: (a) Tests for cotton, wool, linen, silk and rayon; (b) a study of mixed goods; (c) detection of weighting materials; (e) dyeing and dye stuffs; (f) bleaching and stain removal.

Chemistry 361. Chemical Education. Same as Education 362. (3 hours.) Second semester—Lectures, M., W., F., sixth period. Prerequisite: Sufficient number of courses in chemistry to familiarize one with chemical content.

Purpose: To acquaint the prospective chemistry teacher with good class room technique and the mechanics of administering a good course in High School Chemistry.

Topics: (a) Literature of chemical education, current and periodical; (b) studies of surveys of chemistry teaching; (c) project method in science teaching; (d) lecture demonstration method, and laboratory method; (e) standardized tests; (f) study of scientific catalogues for the purpose of ordering and equipping a modern laboratory; (g) arrangement and ventilation of a laboratory.

Chemistry 261. (Same as Education 361.) Teaching of General Science. First summer term—Lectures, fourth period, daily. (2 hours.) Prerequisite: An acquaintance with the content science taught in High Schools.

Purpose: To acquaint the student with materials and references available for the teaching of general sciences in Junior and Senior High Schools.

Topics: (a) The history of science education; (b) the laboratory and general science; (c) classroom demonstrations; (d) evaluation of general science textbooks; (e) criticisms of general science and general science teaching; (f) the project method; (g) measurement of results; (h) special teaching aids; (i) the general science library; (j) how to create and maintain interest in general science.

DEPARTMENT OF COMMERCE

Mr. Moore

Mr. Richards

Miss Ford

Miss Gill

Commerce 201. Business English. (3 hours.) First semester—M., W., F., sixth period. Second semester—M., W., F., eighth period. Second summer term—Daily, sixth period. (2 hours.) Prerequisite: English 101.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; addressing the letter; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; the letter of application; business reports; style studies.

Commerce 203. Secretarial Practice. (3 hours.) First and Second semesters—Offered on demand.

Purpose: To afford the secretarial student an opportunity to secure experience in office work with the proper equipment and under supervision.

Topics: The qualities of a good secretary; dress; office behaviour; system in office work; use and care of equipment; handling the mail; filing; collecting information; delivering messages; answering the telephone; the confidential relationship of the secretary.

Commerce 205. Business Law. (3 hours.) First semester—M., W., F., first period. First summer term—Daily, second period. (2 hours.)

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school.

Topics: Law in general; kinds of law; contracts; sales; agency; partnerships; corporations; negotiable instruments; bailments and carriers; insurance; personal property; real property; suretyship and guaranty; bankruptcy.

Commerce 206. Business Law. (3 hours.) Second semester—M., W., F., second period. Second summer term—Daily, fourth period. (2 hours.)

Purpose: This course is a continuation of Commerce 205, it includes cases and takes up phases of business law not covered in the course mentioned above.

Topics. Corporation problems; notes; drafts; deeds; mortgages; insurance.

Commerce 207. (104 of catalog of 1927.) Business Ethics. (1 hour.) Second semester—Tu., fourth period.

Purpose: The course is designed to acquaint the student with some current practices in business which elevate the standards of business conduct.

Commerce 209. Business Organization. (3 hours.) Second semester—T., T., S., second period. Second summer term—Daily, sixth period. (2 hours.)

Purpose: To acquaint the student with the different types of organizations doing business, and to develop an attitude toward big business which will help bring about a better understanding of business problems.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization holding company; amalgamation; merger; promotion; underwriting; the stock exchange; reorganization and receivership; trust legislation; evils and causes of trusts; remedies.

Commerce 115. (105 of catalog of 1926.) Beginning Shorthand. (3 hours.) First semester—M., W., F., first period. Second semester—M., W., F., second period. First summer term—Daily, first period. Second summer term—Daily, second period. (2 hours.)

Purpose: To teach the principles of Gregg shorthand; to attain a speed of seventy-five words a minute in simple dictation; to complete the first fifteen lessons in the Gregg manual.

Topics: Principles upon which shorthand is founded; shorthand alphabet; sound; rules for joining characters; word signs; simple prefixes; simple suffixes; reading of good shorthand from graded books; dictation; transcription; drills in penmanship.

Commerce 116. Advanced Shorthand. (3 hours.) First semester—M., W., F., eighth period. Second semester—T., T., S., second period. First summer term—Daily, seventh period. (2 hours.)

Purpose: To develop an understanding of the theory of shorthand; to acquire skill in writing rapidly and accurately; to develop skill in transcribing; to develop a speed of 100 words a minute on new matter.

Topics: Complete the Gregg manual; complete graded readings; reading of shorthand in other books and in the Gregg Writer; principles of speed in the Gregg Speed Studies; dictation; criticism and correction of notes; transcribing; reporting; shorthand penmanship.

Commerce 121. Business Arithmetic. (2 hours.) First semester—T., T., seventh period. Second semester—T., T., seventh period.

Purpose: The purpose of this course is (1) to prepare the student for Commerce 122, and (2) to provide the student with sufficient information to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods;

collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 122. Principles of Accountancy. (4 hours.) First semester—Lecture, M., W., second period. Laboratory, T., T., second and third periods. Second semester—Lecture, M., W., second period. Laboratory, T., T., second and third periods. First summer term—Lecture, Daily, second period. Laboratory, Daily, sixth and seventh periods.

Prerequisite: Commerce 121.

Purpose: To prepare the student for teaching the subject and to prepare the student for practical accounting work.

Topics: Laboratory sets are kept for a sole proprietorship and for a partnership. Vouchers are provided to make the laboratory work as practicable as possible. The balance sheet; the profit and loss statement; the philosophy of debit and credit; mixed accounts; periodic work on the ledger; journals; business forms and vouchers; the trial balance and methods of locating errors; controlling accounts; balance sheet valuation, et cetera.

Commerce 123. Advanced Accountancy. (4 hours.) First semester—Lecture, M., W., fourth period. Laboratory, T., T., second and third periods. Second semester—Lecture, M., W., fourth period. Laboratory, T., T., second and third periods. Second summer term—Lecture, Daily, fourth period. Laboratory, first and second periods.

Purpose: This course is a continuation of Commerce 122. The laboratory set gives practice in corporation accounting. The student should be able to do ordinary accounting work after completing this course.

Topics: Analysis and interpretation of statements; general principles of valuation; depreciation; surplus and reserves; the sinking fund; dividends; combinations and consolidations; liquidation by owners and through trusteeship; estate and trust accounting.

Commerce 224. (124 of catalog 1927.) Banking and Bank Accounting. (3 hours.) Second semester—M., W., seventh period, and F., seventh and eighth periods. Prerequisite: C. E. 122.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Commerce 124. Economics. (Formerly Social Science 121.) (3

hours.) First semester—M., W., F., sixth period. First summer term—Daily, seventh period. (2 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance of the principal European nations is studied.

Commerce 125. Principles of Economics. (Formerly Social Science 122.) (3 hours.) First semester—M., W., F., second period. First summer term—Daily, first period.

Purpose: To acquaint the student with the principles of economic theory.

Topics: The following are the principal topics considered in this course: Industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, and value.

Commerce 222. Practical Economic Problems. (3 hours.) (Formerly Social Science 222.) Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours.)

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Among the topics considered are the following: Money and banking, labor problems, the trusts, railroads, monopolies, taxation, social insurance.

Commerce 225. Accounting Problems. (2 hours.) Second semester—Tu., Th., seventh period. Prerequisites: Commerce 122 and 123.

Purpose: To acquaint the student with some of the problems met in various fields of accounting; to introduce the student to the principles of auditing and C. P. A. problems.

Topics: Qualifications of an auditor; purposes of an audit; various accounts to be checked; assembling data for an audit; determining content of the report; form of reports and certificates, organization for accounting control; analysis of borrowers' financial statements; foreign exchange accounting; savings bank accounting; bituminous coal mine accounting; precious metal mine accounting; ranch cost accounting; contractors' accounts; accounting in the coffee trade; principles of department store accounting; hotel accounting; municipal accounting; the organization and accounts of a public account's office.

Commerce 131. Elementary Penmanship. (1 hour.) First semester—Tu., Th., fourth period. Second semester—Tu., Th., fourth period. First summer term—Daily, fourth period.

Purpose: To teach the principles of good handwriting; to afford practice in executing these principles; to develop an appreciation of good handwriting. Required of all Commerce majors and minors.

Topics: The elements of good handwriting; arm movement and how to develop it; analysis of various letters of the alphabet; much drill for movement and form.

Commerce 132. Advanced Penmanship. (1 hour.) Second semester—Tu., Th., sixth period. First summer term—Daily, fourth period.

Purpose: This course is a continuation of Commerce 131. Its purpose is to develop greater skill in writing and to give instruction in how to teach penmanship. Required of all Commerce majors and minors.

Topics: Methods of teaching penmanship; what constitutes a high degree of skill in handwriting; regular size, slant, and spacing.

Commerce 241. Salesmanship. (3 hours.) First semester—Tu., Th., S., first period.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking; methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank.

Commerce 242. Advertising. (2 hours.) Second semester—Tu., Th., seventh period.

Purpose: To acquaint the student with some of the economic and psychological principles of advertising.

Topics: Factors which determine the kind and extent of advertising; the trade-mark; psychological factors in advertising; the chief human needs; relative strength of tendencies and interests; laws of attention applied to advertising materials; establishing associations and making them dynamic; the nature and purpose of advertising copy; substance of the copy; principles of form, color, ornament, and type; laying out the advertising; media; analyzing circulation; determining the value and the results of advertising.

Commerce 343. Marketing. (3 hours.) First semester—M., W., F., fourth period. Prerequisite: Commerce 125.

Purpose: To provide the student with information in the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives; marketing functions and institutions; selling direct to consumers; earlier and simpler types of retail institutions; department stores; mail order houses; chain stores; agricultural wholesale markets; middlemen of the city agricultural markets; classes and types of wholesalers; raw-materials; co-operative marketing; speculation; prices and some price policies; brands and brand policies; ethical aspects of marketing.

Commerce 151. Beginning Typewriting. (2 hours.) First semester—M., T., T., F., second period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period.

Purpose: To develop proper technique at the typewriter; to attain a minimum speed of twenty words per minute on the typewriter.

Topics: Mechanics of the typewriter; the keyboard; word drills; sentence drills; paragraphing; styles of letters; the general make-up of a letter; how to make a letter attractive; special characters not on the keyboard; foundations of speed.

Commerce 152. Advanced Typewriting. (2 hours.) First semester—M., T., T., F., seventh period. Second semester—M., T., T., F., fourth period. Second summer term—Daily, first period.

Purpose: To develop speed and accuracy in typewriting; to develop an understanding of the theory of typewriting which will enable the student to teach it. A speed of forty words a minute is required.

Topics: Speed tests; practice on material which will develop speed and accuracy; writing business letters; punctuation; tabulation; legal forms; copy work; spacing; various other business forms.

Commerce 261. Methods of Teaching Commercial Subjects in the High School. First summer term—Daily, second period. (2 hours.)

Purpose: To provide materials and methods for the prospective teacher of commercial subjects in the high school.

Topics: Methods in the following subjects: bookkeeping, typewriting, shorthand, salesmanship, business law, business English, business arithmetic, penmanship, and office practice; making a commercial curriculum; purposes and aims of commercial subjects in the high school; tests in the various subjects; commerce clubs; placement and follow-up.

Commerce 263. Practice Teaching in Commerce. (2½ hours.) Offered on demand.

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision; grading papers; administering and checking tests; preparation of papers on topics related to the student's major interest; outlines of the subject taught.

DEPARTMENT OF EDUCATION

Mr. Cooper
Mrs. Case
Mr. Cuff

Mrs. Tyng
Miss Schnieb
Mr. Edwards

Mr. Engle
Mr. Ferrell
Mr. Mattox

TRAINING SCHOOL STAFF

Mr. Burns
Miss Carpenter
Miss Lee
Miss Lingenfelter
Miss Wilson

Miss Conroy
Miss Gill
Miss Rush
Miss Slater
Miss Wingo

Mr. Grise
Miss Hansen
Miss Story
Mr. Walker
Mr. Bryant
Miss Cox

Education 102. Introduction to Teaching. (3 hours) First semester—Section 1, second period. Section 2, M., W., F., second period. Section 3, M., W., F., seventh period. Section 4, T., T., S., third period. Section 5, M., W., F., seventh period. Second semester—Section 1, M., W., F., second period. Section 2, T., T., S., third period. Section 3, M., W., F., seventh period. Section 4, M., W., F., fourth period. First summer term—(2 hours) Section 1, Daily, seventh period. Section 2, Daily, fourth period. Section 3, Daily, second period. Second summer term—Section 1, Daily, first period.

Purposes: (a) To serve as an orienting professional course for all beginning college students; (b) to help the student to acquire a working vocabulary of technical terms in the field of education; (c) to aid the student in choosing his curriculum; (d) to give the students who drop out to teach on a provisional certificate an opportunity to learn something of modern school-room technique through frequent directed observation in the Training School.

Topics: The factors and means of economical study; the psychology of learning and teaching; the profession of teaching; the materials of instruction; the more common elements in theory and practice of teaching; school organization and support; a study of the need for professionally trained teachers in the major fields of service in Kentucky; a careful survey of the personal and technical qualifications needed for teaching in these major fields. About one period a week is given to directed observation in the different grades of the Training School.

Education 203. Principles of Teaching. (3 hours). First semester—M., W., F., fourth period. Second semester—M., W., F., first period. Prerequisites: Education 102 and Education 111 or Junior standing.

Purpose: To develop with the student those underlying princi-

ples which determine effective teaching and to apply these principles in solving the basic problems in teaching.

Topics: The meaning of education; meaning and the function of the school; teaching objectives; meaning and evidences of learning; meaning and use of self-activity and of interest; constructive activities and materials; means of securing and using the subject matter and the equipment; extra curricular activities; measuring results; evaluating standards for the teachers and for the pupils.

Education 303. Principles of Education. (2 hours) Second semester—T., T., fourth period. The purpose of this course is (1) to enable the student to summarize and systematize the theory of education with which he is supposed to have become acquainted; (2) to discuss vital relations among the bits of theory, and (3) to evaluate current practices in the light of the foregoing.

Note: Only such students should register for this course as have a good command of psychology, economics, government or sociology.

Education 304. Principles of Secondary Education. (2 hours) First summer term—Daily, seventh period. Second summer term—Daily, seventh period. Prerequisites: Education 315 or equivalent after September 1931.

Purpose: (a) To indicate the proper place of the high school as an institution of society; (b) to acquaint the student with the development of the high school in the United States; (c) to study the objectives of secondary education; (d) to study the organization and activities of the modern high school; (e) to suggest various curriculum problems.

Topics: Brief survey of the historical development of secondary education in the United States, the Latin Grammar School, the Academy movement, the public high school movement, the junior high school, and the junior college; brief survey of secondary education in Germany, France, and England; high school organization; the problem of individual differences; retardation and elimination; educational objectives; the selection and validation of curriculum materials; educational and vocational guidance; testing program; study activities; the program of studies; health education; education for citizenship; education for worthy use of leisure time; education for worthy home membership; character education; extra-curricular activities; peculiar problems of the small high school; the secondary school teacher, training and qualifications.

Education 305. Educational Sociology. (2 hours) Second semester—T., T., seventh period.

Purposes: (a) to investigate the several factors and laws upon which educational theory and practice must rest; (b) To give a concrete picture of the actual conditions and the distinctive characteristics of group life; (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the

other institutions of the community; (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in a changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 111. (Formerly 101). Psychology for Teachers in the Primary Grades. (3 hours.) First semester—M., W., F., second period. Second semester—M., W., F., seventh period. First summer term—Daily, second period. (2 hours.) Second summer term—Daily, second period.

Purposes: (a) to present the problems, methods, and facts of psychology as a science; (b) to teach students to apply psychological principles to situations in which they may be helpful; (c) to prepare students to handle small children understandingly.

Topics: The content of the course is similar to that which is found in the better books in general psychology. The following topics are discussed: the problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments of children; laws of learning; economy in learning; general intelligence and special aptitudes; personality; individuality and tests of various traits.

Education 111. Psychology for Teachers in the Upper Grades. (3 hours.) First semester—Section 1, M., W., F., first period. Section 2, M., W., F., fourth period. Second semester—Section 1, T., T., S., first period. Section 2, M., W., F., second period. First summer term—Daily, sixth period. Second summer term—Daily, fifth period. (2 hours.)

Purposes: (a) to present the problems, methods, and facts of psychology as a science; (b) to teach students to apply psychological principles to situations in which they may be helpful; (c) to enable students to predict and control the behavior of children during early adolescence; (d) to show applications of the laws of learning to the common branches.

Topics: The content of this course is similar to that which is offered for prospective teachers in the primary grades. Special em-

phasis is placed upon characteristics of children in the upper grades.

Education 114. Child Psychology. (3 hours.) First semester—M., W., F., seventh period. Second semester—T., T., S., third period. First summer term—Daily, fourth period. (2 hours.) Second summer term—Daily, first period.

Purposes: (a) to acquaint the student with the most important facts and principles relative to childhood; (b) to describe the behavior and activities which may be expected of a child in any stage of development; (c) to teach students how to observe and to interpret the behavior of children; (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: The following topics are treated: the standpoint and methods of child psychology; survey of the development of child study; biological and social heredity; the child as an organism; instincts; emotions; linguistic development; development of handedness; development through play; physical development; hygiene; learning and acquisition of habits; mental development; intelligence; social and moral development; the exceptional child; individual differences; guidance of children.

Education 212. Psychology of Elementary School Subjects. (2 hours.) First semester—T., T., sixth period. First summer term—Daily, seventh period. Second summer term—Daily, fifth period.

Purposes: (a) to familiarize the student with the best material and methods in specific elementary school subjects; (b) to furnish a basis for the evaluation of methods of instruction; (c) to make the student familiar with ways of applying the laws of learning to meet differences in instructional needs; (d) to equip the students with the attitude and technique needed for simple research in this field.

Topics: Reading, arithmetic, handwriting, spelling, language, history, geography are discussed. Aims, laws of learning, individual differences in learning, factors which have a favorable influence upon learning, supervised study and problems for further research are discussed in connection with each subject.

Education 313. Psychology of the High School Subjects. (2 hours.) Second semester—T., T., eighth period. Second summer term—Daily, fourth period.

Purposes: (a) to indicate the psychological principles which are basic to the teaching of high school subjects; (b) to develop a psychological attitude toward the pupils and subjects of the secondary school; (c) to acquaint the students with recent writings on the organization of the high school as determined by the nature of the adolescent student; (d) to furnish an opportunity for the development of some skill in research.

Topics: Topics discussed are: The high school student, physical, mental, social, and moral characteristics; comparison of the old and the new high school from a psychological point of view; psychology of mathematics, foreign languages, English, social sciences, natural

sciences, fine arts, practical arts, and physical education; psychology of teaching; desirable methods of teaching the various subjects; psychology of classroom management; psychology of learning; individual differences; supervised study; use of high school tests and measurements; guidance of high school pupils.

Education 315. Advanced Educational Psychology. (3 hours.) Second semester—M., W., F., fifth period. First summer term—Daily, fifth period. (2 hours.)

Purposes: (a) To enable the student to become better acquainted with the native equipment of children; (b) to test the student's ability to teach by his knowledge of how learning occurs; (c) to discuss conditions for effective school work; (d) to apply the principles of psychology to the solution of the teacher's problems.

Topics: The course consists of: Introduction; nature and nurture; the organism; innate tendencies; mental measurement; individual differences; causes of individual differences; measures of individual differences; general principles of learning; special abilities and disabilities in learning; learning and motivation; the psychology of the teacher; the psychology of language, reading, spelling, and arithmetic; transfer of training.

Education 121. School and Community Management. (2 hours.) First semester—T., T., eighth period. Second semester—T., T., sixth period. First summer term—Daily, eighth period. Second summer term—Daily, eighth period.

Purpose: To acquaint the student with the common school problems and activities which arise in the experiences of teachers; to see how to handle these problems and activities with the minimum amount of energy and time; to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: The meaning and the function of the school; meaning of the community; school organization; class organization; function of the course of study; curricular activities and materials; classroom routine; school housekeeping; home contracts and community cooperation.

Education 221. Tests and Measurements. (2 hours.) Second semester—T., T., eighth period. First summer term—Daily, fifth period. Second summer term—Daily, fourth period.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and

educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 223. The Elementary Principal and His School. (3 hours.) First semester—M., W., F., fourth period. Second semester—M., W., F., fourth period.

Purpose: To develop with the student those underlying principles which will help him ascertain just what are the fundamental duties of the principal in relation to the teachers, to the school and to the community and how best to execute these duties.

Topics: Meaning and function of the school; school organization; meaning and authority of the principal; teaching principal and supervisory principal; the principal and the curriculum; organization and creative supervision of instruction; constructive and creative teachers' meetings; management of pupils; administration of building, grounds and supplies; clerical duties; school extension; distribution of time; evaluating standards for the principal and for the teachers; professional preparation and improvement.

Education 224. (Formerly 129.) The Consolidated School Principal. (Not to carry credit if Education 223 is taken.) First summer term—Daily, first period. (2 hours.)

Purposes: (a) To acquaint the student with the growing importance of the consolidated school principalship; (b) to present some of the outstanding problems in the administration and supervision of the consolidated school; (c) to study the duties and activities of the principal in the consolidated school.

Topics: Brief survey of the status of consolidation in the United States; advantages of consolidation; difficulties to overcome in effecting school consolidation; the consolidated-school plant and its care; transportation of pupils; the duties, activities, and qualifications of the principal; community organization, community relationships, and consolidation; the curriculum; organization and administration of the school; supervision of instruction; extra-curricular activities; graduation and classification of pupils; relations between principal and teachers, principal and supervisor, principal and pupils; principal and patrons; organization of the principal's office, office equipment, office hours, division of time, and correspondence; business management; supplies and equipment; child accounting and attendance problems; school publicity; records and reports; financial problems and budget making; arranging student's programs; guidance program; making the daily schedule; the teaching corps.

Education 331. History of Education. (2 hours.) First semester—T., T., sixth period. First summer term—Daily, eighth period. Second summer term—Daily, sixth period.

This course comprises a complete survey of the history of education, beginning with eastern nations. Special emphasis is laid on the contribution of the Greek and Roman civilization to the development of educational theories. Middle Ages are treated in a cursory way. The influence of the Renaissance and Reformation on education is brought out more in detail. Individual educators, beginning with Comenius, are treated still more fully. Emphasis is placed on a study of Herbert Spencer among European educators and Horace Mann and his significance in American education. A brief study of the history of education and organization as exemplified by the Kentucky system is made.

Education 341. The Elementary School Curriculum. (3 hours.) Second semester—M., W., F., sixth period. First summer term—Daily, first period. (2 hours.)

Purpose: This course has a twofold purpose: First, to develop with the student those fundamental principles which underlie intelligent curriculum construction and intelligent interpretation of the curriculum. Second, to acquaint the student with the outstanding curricula in the United States and with the best writers on the subject of curriculum construction.

Topics: Meaning and function of education; meaning and function of the curriculum; teaching objectives; pupil activities and experiences; source, selection and organization of subject matter; time allotment for the various subject matter units; criteria for evaluating curricula; curriculum revision and the growing curriculum.

Education 251. Rural School Supervision. (3 hours.) First summer—Daily, fourth period. Second semester—M., W., F., eighth period. Prerequisite: A total of at least forty-eight semester hours of credit.

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools; (b) to assist the student in planning and administering a desirable supervisory program; (c) to give instruction in the use of the various agencies of supervision; (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; graduation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and person-

ality of supervisors; ways of measuring supervision; use of circular letters, bulletins, **school publicity**, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

(Note: The topics in heavy type above will be included in Education 255 during the summer terms. In the regular semesters these topics will form a regular part of Education 251.)

Education 252. County School Administration. (3 hours.) Second semester—M., W., F., seventh period. First summer term—Daily, sixth period. Second summer term—Daily, fifth period. (2 hours.) Prerequisite: A total of at least forty-eight semester hours of credit.

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools; (b) to present a desirable philosophy of rural education; (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the County Superintendent; powers, duties and qualifications of the members of the County Board of Education; school organization and control; the county unit system; **the school plant, location, equipment, and care of buildings**; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems; playgrounds and playground equipment; problems of small schools, especially of one-, two-, and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the County Superintendent as secretary of the County Board; relations between the Superintendent and the Board; bookkeeping of the County Superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the Board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

(Note: The topics in heavy type above will be given as Education 255, Office Administration, during the summer term. In the regular semesters these topics, however, will form a regular part of Education 252.)

Education 255. Office Administration. (2 hours.) First summer term—Daily, fifth period.

A study of the proper equipment, necessary records and the filing of records and reports is made. The making of a budget, the proper recording of the minutes and orders of the board, the distribution of funds, the bookkeeping of the County Superintendent and his duties as secretary of the board are problems for consideration in this course.

Education 353. The Elementary School. (5 hours.) Offered on demand.

Education 358. (Formerly Education 322). Public School Finance. (2 hours.) Second semester—T., T., sixth period.

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities; the units of school support, apportioning the benefits and the sources of public school revenue.

Education 262. Observation and Method. (2 hours.) Primary. First semester—T., T., fourth period. Second semester—T., T., fourth period. First summer term—Daily, second period. Second summer term—Daily, sixth period. Prerequisite: Two semesters of college work including Education 102 (Introduction to Teaching), and one course in psychology.

Purpose: (a) provide graduated approach to student teaching in the primary grades; (b) give practice in organizing materials for class work; (c) learn to make lesson plans; (d) introduce some of the devices used in modern teaching; (e) evaluate theories of teaching in the light of classroom procedure, by directed observation in the Training School, by assigned readings and by class discussion.

Topics: Standards for observing class work, lesson planning, school room equipment, the daily program, the project curriculum, teaching pre-primer reading, reading in primary grades, oral and written expressions, spelling and writing, number work, social studies, nature study, health, and seat work.

Education 262. Observation and Method. (2 hours.) Upper Grade. First semester—T., T., sixth period. Second semester—T., T., sixth period. First summer term—Daily, fourth period. Second summer term—Daily, seventh period. Prerequisite: Two semesters of college work including Education 102 (Introduction to Teaching), and one course in psychology.

Purpose: (a) provide graduated approach to student teaching in

upper grades and junior high school; (b) give practice in organizing materials for class work; (c) learn to make lesson plans; (d) introduce some of the devices used in modern teaching; (e) evaluate theories of teaching in the light of classroom procedure, by directed observation, in the Training School, by assigned readings and by class discussion.

Topics: Standards for observing class work, lesson planning, teaching the upper grade and junior high school subjects, the project method, extra-curricular activities, measuring the progress of instruction.

Education 262. Observation and Method. (2 hours.) Rural. First semester—T., T., second period. Second semester—T., T., second period. Prerequisites: Two semesters of college work including Education 102 (Introduction to Teaching), and one course in psychology.

Purposes: (a) provide graduated approach to student teaching in rural schools; (b) give practice in organizing materials for class work; (c) learn to make lesson plans; (d) introduce some of the devices used in modern teaching; (e) evaluate theories of teaching in the light of classroom procedure, by directed observation in the Rural Demonstration School and in the Training School, by assigned readings and by class discussion.

Topics: Standards for observing class work, lesson planning, teaching the elementary school subjects in rural schools, organization of a rural school, schoolroom equipment, measuring progress of instruction.

Education 263. (Formerly 108.) Supervised Student Teaching. (5 hours.) (Primary.) First semester, second semester, first summer term, hours to be arranged with Mr. Edwards. Prerequisite: Observation and Method for primary teachers.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in primary teaching; and (2) to acquaint the student teacher with modern devices and materials of primary teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the materials of instruction used. Under the training teacher's supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room for a whole day. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 263. (Formerly 108.) Supervised Student Teaching (5 hours.) (Upper grade.) First semester, second semester, first summer term, hours to be arranged with Mr. Edwards. Prerequisite: Observation and Method for upper grade teachers.

Purpose: It is the purpose of this course (1) to develop by prac-

tice the skills, techniques and controls essential to successful class-room procedure in the upper grades and junior high school; and (2) to acquaint the student teacher with modern devices and materials for teaching.

Topics: At first the student teacher observes activities of the class room, studies the children and the subject-matter he intends to teach. Under the training teacher's supervision lessons are planned and help given in performance of routine. At least two different subjects are taught during the term. If a student teacher has a special subject in which he is taking a major or a minor, he may do one-half of his student teaching in that subject. All student teachers meet the training teacher under whom they work for one-hour conference period daily.

Education 361. Teaching of General Science. Offered on demand.

Education 362. Same as Chemistry 361.

Education 363. (New.) Advanced Student Teaching. (2 or 2½ hours.) Open to Juniors and Seniors who have major and minors approved.)

Prerequisites: At least two and one-half hours in Education 263.

First semester—Second semester—Hours to be arranged with Mr. Edwards.

Purpose: To enable prospective supervisors to acquire a high degree of skill; to provide teaching at the high school level in their major fields to students who expect to become high school teachers; to enable prospective school principals to orient themselves; to provide for the specific and peculiar needs of students outside of and beyond the opportunity afforded by Education 263.

Procedure: The student analyzes his need and outlines the process of satisfying it. When plans are adequately matured and are approved he proceeds according to the outline. Adequate time for conferences with his supervisors must be held open by the student in making up his program of studies for the semester.

DEPARTMENT OF ENGLISH

Mr. Clark
Mr. Keene
Mrs. Case

Miss Greer
Miss Zellhoefer
Miss Buchanan

English 101. Oral and Written Composition. (3 hours.) First semester—Section 1, T., T., S., first period. Section 2, M., W., F., eighth period. Second semester—Section 1, T., T., S., first period. Section 2, M., W., F., eighth period. Section 3, M., T., W., T., F., S., second period, second nine weeks. First summer term (2 hours)—Section 1, Daily, first period. Section 2, Daily, eighth period. Second summer term—Daily eighth period.

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (Not open to students who have had English 101 prior to September, 1929). First semester—Section 1, M., W., F., second period. Section 2, M., W., F., seventh period. Second semester—Section 1, M., W., F., second period. Section 2, M., W., F., seventh period. Section 3, M., T., W., T., F., S., first nine weeks. First summer term—Section 1, Daily, second period. Section 2, Daily, seventh period. Second summer term—Daily, second period. Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 201. Journalism. (3 hours.) First semester—M., W., F., seventh period. Prerequisite: Freshman English.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their poli-

cies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to consider the problems of managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc., kinds and methods of journalistic writing and practices in each; headlines; make-up; copy; proof reading; organization of staff; problems in managing and advising an editorial and business staff and suggestive methods.

English 205. (Formerly 120 and 302). Argumentation. (3 hours.) Second semester—M., W., F., fifth period. Prerequisite: Freshman English.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument, fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 301. (Formerly 109.) Advanced Composition. (3 hours.) Second semester—M., W., F., second period. (2 hours.) Required of juniors and seniors who have less than six hours of freshman English.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication.

English 211. (Formerly 103a) English Literature. (3 hours.) First semester—T., T., S., third period. Second semester—M., T., W., T., F., S., fourth period, second nine weeks. First summer term—Daily, fifth period. Second summer term—Daily, fourth period. (2 hours.) Prerequisite: Freshman English.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition and history.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo Saxon writings and folk lore; Celtic elements; French influence and literature of chivalry; Chaucer's England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of romanticism.

English 212. (Formerly 103b) English Literature (1800-1925). (3 hours.) First semester—M., W., F., fifth period. Second semester—

T., T., S., third period. First summer term—Daily, fourth period. (2 hours.) Prerequisite: Freshman English.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries; the movements, influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best.

Topics: The Romantic Period—characteristics, influences, writers, literature as to form, method, and content; mid- and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to leading forms, method, and content.

English 213. American Literature. (3 hours.) Second semester—M., W., F., fifth period. Second summer term—Daily, sixth period. (2 hours.) Prerequisite: Freshman English.

Purpose: To acquaint students with American life and thought as reflected in the best representative American writings, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times, and, incidentally, to develop some degree of literary discrimination.

Topics: The pioneer spirit in religious, historical, and journalistic writings; literature of the Revolution; statesmanship of the new nation; Nineteenth Century romanticism; transcendentalism, disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied.

English 215. Nineteenth Century Prose. (3 hours.) Second semester—T., T., S., third period. Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; an analysis of the prose style of some of the essayists; oral and written reports.

English 216. The Short Story. (2 hours.) Second semester—T., T., sixth period. Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topic: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper.

English 217. Contemporary Literature. Second summer term—Daily, fourth period (2 hours.) Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 311. Shakespeare. (3 hours.) Second semester—M., W., F., sixth period. Second summer term—Daily, first period. (2 hours.) Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's England and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare.

English 312. Contemporary Drama. (3 hours.) First semester—M., W., F., sixth period. First summer term—Daily, sixth period. (2 hours.) Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in

modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists.

English 313. World Literature. (3 hours.) First semester—M., W., F., fourth period. Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and saga, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 314. The Novel. (3 hours.) Second semester—M., W. F., eighth period. First summer term—Daily, sixth period. (2 hours.) Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 321. Romantic School of Poets. (3 hours.) Second semester—M., T., W., T., F., S., first nine weeks, fourth period. Second summer term—Daily, first period. (2 hours.) Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic movement; to present the various elements that compose the movement.

Topics: The course includes the beginnings of Romanticism; Burns and his contribution; Wordsworth and his theory of poetry; Coleridge; Scott and Southey; Byron, Shelley, and Keats; definition of romanticism; written reports.

English 322. Victorian Poets. (3 hours.) First semester—T., T., S., third period. Second semester—M., T., W., T., F., S., fourth period, second nine weeks. Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the student with some of the characteristic poetry from the time of Tennyson until the close of the century, and to help him interpret the spirit of the age through its poetry.

Topics: The social, religious, industrial, and intellectual unrest of the time as evidenced by the poetry; the Oxford Movement; the pre-Raphaelite Brotherhood; naturalism and realism in the latter part of the period; the poetry of Tennyson, the Brownings, Arnold, Swinburne, the Rossettis, Morris, Hardy, and others; a comparison of the work of these poets with that of American poets of the period.

English 323. Milton. (2 hours.) Second semester—T., T., seventh period. Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*.

English 324. (Formerly 130.) Medieval Story. (2 hours.) Second summer term—Daily, second period. Prerequisites: Freshman English and at least two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; the social and moral ideals which they reveal.

English 131. Public Speaking. (3 hours.) First semester—T., T., S., third period. Prerequisite: Freshman English.

Purpose: To train students for effective participation in the normal public speaking situations of their professional lives.

Topics: Physiological basis of voice and corrective voice drills; changing fashions and requirements of public speaking; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes and audiences; speech criticism; parliamentary procedure with participation drills.

English 335. Interpretative Reading. (3 hours.) First summer term—Daily, second period. (2 hours.) Prerequisite: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in class room and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria established for selecting readings, preparing contestants and readers, and judging contests. Much individual work under careful direction is afforded.

English 341. (New.) History of the English Language. (2 hours.) Second summer term—Daily, fourth period.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the

Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 261. (Formerly 102 and 161) Literature for Primary Grades. (2 hours.) First semester T., T., sixth period. Second semester—T., T., sixth period. First summer term—Daily, fifth period. Second summer term—Daily, seventh period. Prerequisite: Freshman English.

Purpose: To familiarize the primary teacher with some of the best literature for children and to render her more capable of guiding children's reading.

Topics: The course includes an extensive reading of children's books and a discussion of the history of children's literature, the needs and interests of the growing child, the characteristics of both desirable and undesirable books for children, and the development of the child's taste in reading. Principles of teaching literature and methods of presentation are incidentally touched upon.

English 163. Fundamentals of Speech. (3 hours.) First semester—M., W., F., seventh period. Second semester—T., T., S., first period. First summer term—Daily, fourth period. (2 hours.) Second summer term—Daily, fifth period. Prerequisite: Freshman, English.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 164. Reading in the Elementary School. (3 hours.) First semester—M., W., F., sixth period. Second semester—T., T., S., third period. Section 2, M., W., F., second period. First summer term—Daily, second period. (2 hours.) Second summer term—Daily, sixth period.

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

English 165. Grammar for Teachers. (2 hours.) First summer term—Daily, fourth period. Prerequisite: Freshman English.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 262. (New). Play Producing. (2 hours.) First semester—T., T., seventh period. Second semester—T., W., T., F., sixth period, the last nine weeks. First summer term—Daily, first period.

Purpose: A practical laboratory course to prepare students to produce plays in schools and communities.

Topics: Organization and duties of producing staff; designing, making, and painting scenery; lighting and mechanical equipment of stage; costuming and make-up; theories of color and design on stage; practical work in mounting plays on miniature stage and, if the class permits the public presentation of class work; collateral reading in the history of the stage and national trends in theater design.

English 263. Play Directing. (2 hours.) Second semester—T., T., seventh period. Second summer term—Daily, sixth period.

Purpose: To acquaint the student with types, theories, and practices in directing plays.

Topics: Relation of director to play, author, actor, and staff; methods of choosing plays and casts; methods of rehearsing; blocking and building dramatic scenes; study of rhythm, design, and grouping; of tempo, atmosphere, and climax; character interpretation; practice work in directing; elementary principles of voice and diction; collateral reading in theory of play coaching and of plays suitable to amateur production.

English 264. Story Telling. (3 hours.) Second semester—M., W., F., seventh period. Second summer term—Daily, eighth period. (2 hours.) Prerequisite: English 261 or its equivalent.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given in the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 365. The Teaching of Literature in the High School. (3 hours.) Second semester—T., T., S., fourth period. Second summer term—Daily, seventh period. (2 hours.) Prerequisites: Freshman English and two survey courses.

Purpose: To develop powers of literary interpretation and appre-

ciation; to afford a critical knoweldge of the best material equipment for the teaching of literature; and to insure an applied knowledge of best methods of teaching literature to high school students.

Topics: General nature of literature; prose and poetry distinctions; rhythmic and sound values in verse; imagery; forms and types of verse; elements of prose style; evolution of methods in the teaching of high school literature; objectives of high school literature; courses of study in high school literature; text-books and best editions; content and treatment of supplementary reading; tests and their uses; supplementary material—maps, pictures, charts; the classroom as a teaching agency; discovery and application of best methods of teaching chief types of literature.

DEPARTMENT OF FOREIGN LANGUAGES

Miss Pollitt

Mrs. Murbach

The Latin courses of the Department of Foreign Languages are organized to meet the needs of three classes of students:

(1) Those who present three or more units of high school Latin for entrance, or the equivalent thereof, and who select Latin as their major subject while in college, expecting to teach it after graduation. The courses recommended, and in most instances required, for this group are Foreign Language 104, 105, 108, 201, 202, 311, 361, 113.

(2) Teachers who wish courses in methods of teaching Latin in high schools. The texts that have been put out since the report of the Classical Investigation and the newest methods of approach will be studied. With the consent of the head of the department, certain students who have had no Latin will be admitted to the first of these courses provided the maturity and ability of the applicant enable him to do rapid and satisfactory work. Such courses are Foreign Language 121, 122, 123.

(3) Those who, irrespective of their previous study of the classical languages and literature, desire for general and cultural purposes to become acquainted with the civilizations of Greece and Rome. The courses recommended for this group are Foreign Language 112, 113, 114.

Foreign Language 104. Selections from Livy. (3 hours.) Second semester—M., W., F., second period. Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books I, XXI, and XXII; (b) assigned readings from such historians as Mommsen, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Foreign Language 108. Selections from Horace. (3 hours.) First semester—M., W., F., second period. First summer term—Daily, second period. (2 hours during summer term.) Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his

contemporaries; (c) to emphasize as in 104 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Foreign Language 201. Latin Prose of the Silver Age. (3 hours.) Second semester—M., W., F., sixth period. This course is offered in alternate years with 203, and will be given in 1931-32. Prerequisites: Foreign Language 104 or 105, or the equivalents thereof.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus Agricola; (c) selected readings from other representative writers.

Foreign Language 202. Satire and Epigram. (3 hours.) First semester—M., W., F., first period. Prerequisites: Foreign Language 104 or 105, or the equivalents thereof.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century A. D. through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of Satire in Latin literature, with assignments from Horace; (d) study of Satire in English translations of Juvenal; (e) study of epigram as a literary expression.

Foreign Language 203. Latin Literature of the Early Empire. (3 hours.) Second semester—M., W., F., sixth period. This course is offered in alternate years with 201, and will be given in 1930-31. Prerequisites: Foreign Language 104 or 105, or the equivalents thereof.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

Foreign Language 112. Legacy of Greece. (2 hours.) First semester—Tu., Th., sixth period. First summer term—Daily, first period. Prerequisite: There is no Foreign Language prerequisite in this course, which is given entirely in English and open to all students whose training admits participation in the course.

Purpose: To acquaint the average student with the more important contributions made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) note books; (d) reports and term papers.

Foreign Language 113. Legacy of Rome. (2 hours.) Second semester—Tu., Th., Sixth period. (Credit may be given this course in the Social Science Department.) Prerequisite: There is no Foreign Language prerequisite in this course which is given entirely in English.

Purpose: This course is similar in purpose and design to Foreign Language 112, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

Foreign Language 114. Latin-English Word Formation. (3 hours.) First semester—M., W., F., fourth period. (With the consent of the head of the department in English, credit will be given this course in that department.) Prerequisites: Two units of high school Latin.

Purpose: To trace the contribution of the Latin language to the English.

Topics: (a) History of English language; (b) word formation by the prefixes and suffixes; (c) Latin root meanings; (d) study of English words of Latin derivation.

Foreign Language 311. Survey of Latin Literature. (3 hours.) Second semester—M., W., F., first period. Prerequisite: This course is given entirely in English, but unless the student has considerable literary background, not only of Latin, but also of English, he would not be able to enter this course. Open only to senior college students.

Purpose: To furnish a literary and historical survey of Latin literature from its earliest periods to the late Latin of middle ages.

Topics: (a) Mackail's Latin Literature; (b) selected readings from Cunliffe and Showerman, Howe and Harrer, Laing and others; (c) students who have proficient reading ability will be expected to do assigned reading in original.

Foreign Language 121. Intensive Study of First Year Latin. (2 hours.) First summer term—Daily, fourth period. Prerequisite: None.

Purposes: (a) The work of this course represents the equivalent of one year's high school Latin and is recommended for teachers of Latin who wish to become acquainted with the newer text books and methods which have been introduced since the Classical Survey. It is not to be given college credit, if Latin has been used for entrance credit, except by indorsement of the Dean at time of registration;

(b) mature students who have some immediate purpose in beginning in college the study of Latin, such as pre-medical or other pre-professional students, will be admitted.

Topics: Study of first year Latin according to latest text books, using topics recommended by Classical Survey.

Foreign Language 122. Intensive Study of Caesar. (3 hours.) Second semester—M., W., F., fourth period. Offered in alternate years with Foreign Language 123; given in 1931-32. Prerequisite: One unit of high school Latin.

Purposes: The object of this course is identical with that of Foreign Language 121, viz.: (a) for review work for teachers; (b) for pre-professional work; (c) to make up earlier deficiencies in Latin.

Topics: (a) Careful review of first year material; (b) Caesar's Gallic and Civil Wars; (c) selected readings from writers of similar difficulty.

Foreign Language 123. Intensive Study of Cicero or Ovid. (3 hours.) Offered in alternate years with Foreign Language 122; given in 1930-31. Prerequisite: Two units of high school Latin. Second semester—M., W., F., fourth period.

Purpose: The object of this course is identical with that of Foreign Language 122.

Topics: Cicero or Ovid will be studied as needs of the students require; an occasional variation is Vergil. Course developed with especial reference to students along same lines as Foreign Language 122.

Foreign Language 151. (Formerly French 101.) Elementary French. (3 hours.) First semester—M., W., F., sixth period. First summer term—Daily, first period. (2 hours.) Prerequisites: No prerequisite although at least two years of Latin are highly desirable.

Purposes: (a) To introduce the student into the field of modern language study and acquaint him with the mechanics of the subject; (b) to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: First thirty-five lessons in MacKenzie & Hamilton "Elementary French Grammar"; reading of forty pages in "Contes de France", Meras & Roth; drill on oral French, beginning of French conversation, and special ear training in French sounds by use of French victrola records.

Foreign Language 152. (Formerly French 102.) Elementary French. (3 hours.) Second semester—M., W., F., sixth period. Second summer term—Daily, first period. (2 hours.) Prerequisites: Foreign Language 151 or one unit of high school French.

Purposes: To continue the study begun in 151. This course is primarily for junior college students but senior college students may be admitted on approval of the Dean and head of the department.

Topics: Lessons 35-62, MacKenzie "Elementary French Gram-

mar"; pgs. 59-126, "Petits Contes de France," Meras & Roth; "Le Voyage de M. Perrichon", Labiche; copious work in oral French.

Foreign Language 153. (New) French Civilization. (2 hours.) Second semester—Tu., Th., third period. First summer term—Daily, fourth period. Second summer term—Daily, second period. Prerequisites: No prerequisite in French is prescribed although an acquaintance with the language is desirable.

Purposes: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved.

Topics: The course consists of lectures and assigned readings. A survey of French history, politics, art and literature will be given.

Foreign Language 251. (Formerly 103.) Intermediate French. (3 hours.) First semester—M., W., F., seventh period. First summer term—Daily, second period. (2 hours.) Prerequisites: Foreign Language 151, 152 or two units of high school French.

Purposes: (a) To continue the study of French grammar; (b) to increase the student's use and comprehension of oral French; (c) to continue the study of French Literature.

Topics: Nine lessons, Bond's Review Essentials of French Grammar and Composition; *Precis de la Litterature Francaise*, Badaire; continued practice in oral French.

Foreign Language 252. (Formerly 104.) Intermediate French. (3 hours.) Second semester—M., W., F., seventh period. Second summer term—Daily, sixth period. (2 hours.) Prerequisites: 151, 152 and 251 or three units of high school French.

Purposes: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: Lessons 10-18, Barton and Sirtch French Grammar; "Colomba", Merimee.

Foreign Language 253. (New.) Nineteenth Century Novel. (3 hours.) First semester—M., W., F., fourth period. Prerequisites: 251, 252 or four units of high school French.

Purposes: (a) To develop the student's powers to read French rapidly; (b) to increase facility in the use of spoken French.

Topics: Hugo, "Quatre-vingt Treize"; Dumas, "Les Trois Mousquetaires"; Sand, "La Mare au Diable"; Balzac, "Eugenie Grandet"; all class discussion of classics will be done in French.

Foreign Language 255. (New.) Nineteenth Century French Novel. (3 hours.) Second semester—M., W., F., first period. Prerequisite: Foreign Language 253.

Purpose: To continue the work begun in 253.

Topics: Collection of de Maupassant's stories; Lamartine's "Graziella"; Daudet's "Le Petit Chose"; Loti, "Ramuntcho". French will be used almost exclusively in the classroom.

Foreign Language 351. (New.) Eighteenth Century French Lit-

erature. (3 hours.) First semester—Tu., Th., S., second period. Prerequisites: 253 or 355. This will be offered in alternate years with 353-354. This course will be available in 1931-32.

Purposes: This is the most advanced French course offered here and upon its completion the student will be equipped to teach French in high schools if so desired. A careful review of French grammar and pronunciation will be made and as wide reading in the century as time will permit.

Topics: Dubrulle and Manser "French Composition and Pronunciation Exercises"; library reading of the transition period (Bayle Fontenelle, Montesquieu); selections of Voltaire's prose; selections from Diderot. French only will be used in the classroom.

Foreign Language 352. (New.) Eighteenth Century French Literature. (3 hours.) Second semester—Tu., Th., S., second period. Prerequisite: 351. Offered 1931-32.

Purposes: To complete the survey of the eighteenth century literature and the review of French grammar.

Topics: Continued study of the Dubrulle composition book; Rousseau, "Vie et Oeuvres"; Lesage, "Turcaret"; Marivaux, "Le jeu de l'amour et du Hasard"; Beaumarchais, "Le Barbier de Seville". All class discussion will be conducted in French.

Foreign Language 353. Seventeenth Century French Literature. (3 hours.) First semester—Tu., Th., S., second period. Prerequisites: 253 or 355. To be offered in 1930-31, as it is given in alternate years with 351-352.

Purposes: To acquaint students with the so-called "golden age" of French literature.

Topics: Corneille, "Le Cid," "Horace," "Polyeucte;" Racine, "Andromaque," "Britannicus," "Athalie;" Moliere, "L'Avare," "Les Precieuses' Ridicules;" French to be used exclusively in the classroom.

Foreign Language 354. Seventeenth Century French Literature. (3 hours.) Second semester—Tu., Th., S., second period. Offered 1930-31. Prerequisite: 353.

Purposes: To continue the survey of seventeenth century French literature.

Topics: Collection of the letters of Mme. de Sevigne; selections from Bossuet, Boileau, and Pascal. French used in all discussion.

Foreign Language 355. (New.) Nineteenth Century Drama. (2 hours.) First semester—Tu., Th., third period. Prerequisites: 251, 252 or four units of high school French.

Purposes: (a) To study the outstanding dramas of the romantic and realistic schools; (b) to stimulate interest in the French life and thought of this interesting period.

Topics: Hugo, "Herani;" Dumas fils, "la Question d'Argent;" Augier-Sandeau, "Le Gendre de M. Poirier;" Rostand, "Cyrano de

Bergerac;" Hervieu, "La Course du Flambeau;" Brioux, "Blanchette;" Scribe, "Le Verre D'Eau;" Sardou, "Les Pattes de Mouche," Library assignments in Smith's "Main Currents in Modern French Drama."

Foreign Language 361. The Teaching of Latin. (3 hours.) First semester—M., W., F., fifth period. Prerequisite: Four units of high school Latin and six semester hours of college Latin.

Purpose: To prepare Latin majors for teaching subject.

Topics: (a) Study of classical survey; (b) examination of newest available text books in first year Latin; (c) use of modern methods in poster and note book material; (d) examination of Classical Journal, Classical Weekly, Latin notes, etc.

Foreign Language 365. (New.) Teacher Training Course. (1 hour.) First semester—S., Third period. Second semester—F., Fourth period. Prerequisite: 253 or 255.

Purposes: To review grammar principles and phonetics; to take up methods used in teaching French in elementary and high schools; to discuss textbooks, anthologies and sources of material for extra curricular interests in language for teacher and student.

Topics: Handschin's "Methods of teaching modern languages;" Nitze and Wilkins "Handbook of French Phonetics;" library reading of the "Report of the Committee of Twelve;" assigned readings in the Modern Language Journal.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours.) First semester—Tu., Th., S., second period. Section 2, Tu., Th., S., third period. Section 3, M., W., F., fifth period. Section 4, M., W., F., sixth period. Second semester—Section 1, M., W., F., fourth period. Section 2, Tu., Th., S., third period. Section 3, M., W., F., fifth period. Section 4, Tu., Th., S., fourth period. First summer term—(2 hours.) Daily fourth period. Second summer term—Daily second period.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) To help the student acquire a geographic vocabulary, (c) To give the student a working knowledge of the basic principles underlying the science of geography.

Topics studied: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams, and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the continents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters; man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 201. Physical Geography and Geology. (3 hours.) First semester—Lecture, W., F., seventh period. Laboratory, M., seventh and eighth periods. Prerequisite: Geography 101. First summer term—Daily, seventh period. (2 hours.)

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Geography 202. Climatology. (3 hours.) Second semester—Lecture, Th., S., first period. Laboratory, Tu., first and second periods. Second summer term—Daily, seventh period. Prerequisite: Geography 101.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis; and (5) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity, cloud phenomena, precipitation, and the major types of storms; forecasting; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 205. Economic and Historical Geology. (3 hours.) Second semester—Lecture, W., F., sixth period. Laboratory, M., sixth and seventh periods. Prerequisites: Geography 101 and 201.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits, evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 221. Economic Geography of the Industries. (3 hours.) First semester—Tu., Th., S., first period. Second semester—M., W., F., first period. Second summer term—Daily, sixth period. (2 hours.) Prerequisite: Geography 101.

Purpose: (a) To acquaint the student with the major industries of the world, and the principal factors influencing domestic and international trade; (b) to give the student a background for study in international relations and world problems.

Topics: The nature of economic geography; the place and nature of agriculture; the cereals; the starch foods; the forage crops; vegetable crops; fruit crops and wine industries; sugar; vegetable oils; condiments and tobacco; vegetable fibers; non-food vegetables; fisheries the animal foodstuffs; animal fibers, furs and skins; the fundamentals of manufacture, fuel and power; the forest industries and paper; the iron and steel industries; the mineral industries; textiles; leather and rubber; inland transportation, North America; international trade and transportation; trade centers and world trade routes.

Geography 361. Materials and Methods in the Teaching of Geography. (2 hours.) Second semester—Tu., Th., sixth period. First

summer term—Daily, first period. Prerequisite: eight hours of geography.

Purpose: To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials available for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 271. (Formerly 171.) Geography of North America. (2 hours.) First semester, Tu., Th., fourth period. Second semester—Tu., Th., seventh period. Second summer term—Daily, fourth period. Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 272. Geography of Europe. (3 hours.) First semester—M., W., F., first period. First summer term—Daily, second period. (2 hours.) Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 273. Geography of Latin America. (3 hours.) Second semester—M., W., F., second period. Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West

Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; Historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and psysiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 371. Geography of World Problems. (3 hours.) First semester—M., W., F., fourth period. Prerequisite: Junior standing and six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 374. Geography and Geology of Kentucky. (2 hours.) First summer term—Daily, sixth period. Prerequisite: Geography 101 and 201.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 377. Conservation of Natural Resources. Second summer term—Daily, first period. (2 hours.)

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasises thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation

and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminium, silver, uranium and radium; the human resources; agricultural losses.

DEPARTMENT OF HEALTH

Dr. Farris

Mr. McDonough

Mr. Carter

THE AIMS OF HEALTH EDUCATION

1. To instruct children and youth so that they may conserve and improve their own health.

2. To establish in them the habits and principles of living which, throughout their school life and in later years, will assure that abundant vigor and vitality which provide the basis for the greatest possible happiness and service in personal, family, and community life.

3. To influence parents and other adults, through the health education program for children, to better habits and attitudes so that the school may become an effective agency for the promotion of the social aspects of health education in the family and community as well as in the school itself.

4. To improve the individual and community life of the future; to secure a better second generation, and a still better third generation; of healthier and fitter nation and race.

Health 100. (Formerly Physical Welfare 100.) Personal Hygiene. (3 hours.) First semester—M., W., F., sixth period. (Women.) Second semester—M., W., F., sixth period. (Men.) First summer term—Daily, sixth period. (Women.) Daily, second period. (Men.) (2 hours.)

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. (Formerly Physical Welfare 101.) Sanitary Science. (3 hours.) First semester—Section 1, M., W., F., second period. Section 2, M., W., F., fourth period. Section 3, M., W., F., sixth period. Second semester—Section 1, M., W., F., second period. Section 2, M., W., F., fourth period. Section 3, M., W., F., sixth period. First summer term (2 hours)—Section 1, daily, first period. Section 2, daily, fifth period. Section 3, daily, fourth period. Second summer term—Section 1, daily, second period. Section 2, daily, fourth period. Required of all applicants for the life certificate unless Physical Welfare 100 is offered as a substitute.

Purpose: To study the fundamental principles of sanitary science and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Microorganisms in relation to sanitation; personal and public hygiene; food protection and preservation; the protection of the water and milk supply; immunization and control of communicable diseases; home and school sanitation; social and economic aspects of health problems; health administration; function and authority of health officers, etc.

Health 202. (Formerly Physical Welfare 102. First Aid to the Injured. (1 hour.) Second semester—Tu., Th., fifth period. (First 9 weeks.) Second semester—Tu., Th., fifth period. (Second 9 weeks.) Second summer term—M., W., F., first period.

Purpose: To prepare the prospective teacher, by demonstrations and practice, to meet and treat the common emergencies which present themselves in the school room, on the playground, and on the athletic field.

Topics: Methods of making and using bandages and dressings; what not to do and what to do in case of injuries and accidents; first aid treatment for hemorrhages, bruises, strains, sprains, dislocations, fractures, diagnosis and treatment of poisoning, etc. A first aid certificate will be granted by the American Red Cross to those who satisfactorily pass an examination approved by the organization.

Health 300. (New) Applied Anatomy. (2 hours.) To be offered Spring 1932.

Purpose: The purpose of this course is to familiarize the student with a scientific study of anatomy as applied to physical training activities.

Topics: Muscles, joints, leverage and studies of coordination of certain muscle groups as affected by specific activities or exercises.

Health 301. (Formerly Physical Welfare 301.) Applied Physiology. (2 hours.) Second semester—Lecture, Tu., second period. Laboratory, Th., second and third periods. Second summer term—Lecture, M., W., F., sixth period. Laboratory, Tu., Th., sixth and seventh periods.

Purpose: The purpose of this course is to familiarize the student, through demonstrations, laboratory methods and practical experiments, with the effects of different kinds of activities and practices upon various physiological systems of the body.

Topics: The course includes studies of the muscles and nervous system, fatigue, circulation, respiration and the physiological effects of drugs, narcotics, alcohol and tobacco in their relation to the proper functioning of the body.

Health 303. (Formerly Physical Welfare 303.) Advanced Sanitary Science. (5 hours.) First semester—Lecture, M., W., F., second period. Laboratory, Tu., Th., second and third periods. Second semester—Lecture, M., W., F., second period. Laboratory, Tu., Th., second and third periods. First summer term—(2 hours.) Lecture, Tu., Th., sixth period. Laboratory, M., W., F., sixth and seventh periods.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique; sterilization; preparation of culture media; isolation and identification of bacteria; efficiency of disinfectants; control of communicable diseases; determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. (Formerly Physical Welfare 304.) Bacterology of Foods. (4 hours.) Second summer term—Lecture, M., W., F., second period. Laboratory, T., T., first and second periods. Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation; food poisoning; food preservation; canning; pickling; use of chemicals in food preservation.

Health 362. (New) Individual Gymnastics. (2 hours.) To be offered Fall 1931.

Purpose: A course designed for physical education majors.

Topics: Diagnosis and prescription of exercise for deformities of the human body such as scoliosis, hyphosis, lordosis, and foot conditions are studied.

Health 365. (Formerly Physical Welfare 365.) Materials and Methods for Teaching Health Education. (3 hours.) First semester—M., W., F., sixth period. First summer term—Daily, second period. (2 hours.) Prerequisite: Physical Welfare 100 or 101.

Purpose: To present the general and special principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and practiced.

Topics: Objectives of health program; development of a health consciousness; the use of the school environment as teaching material; health projects; an analysis of school practices and activities as they contribute to health. Required of all Physical and Health Education majors.

DEPARTMENT OF HOME ECONOMICS

Miss Dix

Miss Burrier

Miss Slater

Miss Adams

The primary purpose of the department of Home Economics is to train teachers of Vocational Home Economics for high school positions.

To meet the minimum requirements for a bachelor of science degree in education with a major in Home Economics and at the same time qualify to teach in a federally-aided high school, persons majoring in Home Economics must complete the work as outlined in the curriculum on pages 56-57.

One may secure a bachelor of science degree in education with a major in Home Economics and not care to qualify to teach in a federally-aided high school. In that event such a student should satisfy the maximum departmental requirements as laid down by the Normal Executive Council. Home Economics 102, 103, 112, 201, 211, 222, 315, 316, 321, and Chemistry 211, 215, and 313 are required of all majors.

Occasionally a student must withdraw from school and teach before she completes her work for a degree. In that event the student should meet the requirements for a college elementary certificate.

Home Economics 101. Nutrition and Food Preparation. (3 hours.) First semester—M., W., first period. M., W., F., second period. Second semester—M., W., first period and M., W., F., second period. First summer term—Daily, first and second periods. (2 hours.)

Purpose: To familiarize the students with the general composition of foods and their place in the diet; to teach the fundamental principles of preparation of foods most commonly used in the home.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning and preparing and serving of the meal of that unit.

Home Economics 102. Meal Planning, Preparation and Serving. (3 hours.) First semester—T., T., third period and T., T., F., fourth period. Second semester—T., T., and T., T., F., fourth period. Second summer term—Daily, fourth and fifth periods. (2 hours.)

Prerequisites: Home Economics 101 or its equivalent in an accredited high school on consent of the head of the Home Economics department; Home Economics 103.

Purpose: To enable the student to plan, prepare and serve well balanced meals of the home types at varying costs; to familiarize students with different types of table service; to give them an opportunity to more extensively study table etiquette.

Topics: Principles of a well balanced meal; preparation and serving of well planned meals with different types of service; study of the respective duties of host, hostess, guests, members of the family,

and waitresses; computation of costs of various type of meals; table decorations and accessories for various occasions; care of table linens.

Home Economics 103. Source, Selection and Cost of Foods. (2 hours.) First semester—T., first period and T., T., second period. Second semester—T., first period and T., T., second period. Second summer term—Daily, first and second periods.

Purpose: To familiarize and aid in solving marketing problems of the home and to acquaint the prospective teacher with the various grades of foods and marketing conditions.

Topics: Source, selection and comparative cost of foods used in the home; preparation and comparison of dishes made from various grades of the same foods.

Home Economics 301. Dietetics. (3 hours.) Second semester—M., W., F., sixth period, and M., W., seventh period. First summer term—Daily, sixth and seventh periods. (2 hours.)

Purpose: To give students an opportunity to know nutritional values of foods; to apply the fundamental principles of human nutrition to the feeding of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods; requirements of the body under different living conditions; dietary problems; prevention of diseases through the diet.

Home Economics 111. Garment Making. (3 hours.) First semester—M., W., F., first and second periods. Second semester—M., W., F., first and second periods. First summer term—Daily, first and second periods. (2 hours.) Second summer term—Daily, first and second periods.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready made garments.

Topics: Study of the sewing machine and attachments; making of simple foundation patterns; selection of materials suitable for simple wash dress, kimona, or gown; construction of any one kimona garment; study of materials, colors and designs suitable for various undergarments; construction of undergarments, one of which involves tailored finishes; care and repair of clothing; clothing budgets.

Home Economics 112. Dressmaking. (2 hours.) First semester—T., T., sixth and seventh periods. Second semester—T., T., third and fourth periods. First summer term—Daily, fifth and sixth periods. Prerequisite: Home Economics 111 or its equivalent in an accredited high school on consent of the head of the Home Economics department.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in

cutting, fitting, and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; remodeling of wool dresses.

Home Economics 113. Care and Selection of the Wardrobe. (New.) (3 hours.) Not open to Home Economics Majors. First semester—M., W., F., fourth period. Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours.)

Purpose: This course is planned for students who wish to make an intelligent study of their individual wardrobes and know more about selecting ready-made clothing but do not wish to learn how to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 211. Textiles. (2 hours.) First semester—M., W., sixth period and M., seventh period.

Purpose: To acquaint the student with standard textile fabrics on the market suitable for clothing and house furnishings; to give the student a knowledge of the proper treatments in laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics and the study of manufacturing conditions; identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains and laundering.

Home Economics 315. Clothing Design. (3 hours.) First semester—T., T., first and second periods and Th., third period. Prerequisites: Home Economics 112, 211 and Art 161.

Purpose. To develop originality in design from the various sources of inspiration; to gain a thorough knowledge of the principles of design which underlie costume design; to create a keener appreciation for good line, color, spacing, and simplicity in costume thru the study of current designs and historic costume.

Topics: Study of line and color in relation to features and stature of various individuals; effect of accessories on costumes; the making of a dress form to be used in draping various types of garments. Two draped garments are to be completed and criticised in class. One is to be an afternoon or evening dress, the other a tailored garment.

Home Economics 316. Tailoring. (2 hours.) Second semester—

T., T., third and fourth periods. Second summer term—Daily, sixth and seventh periods. Prerequisite: Home Economics 112.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 222. The House. (3 hours.) First semester—M., W., F., sixth period, and M., W., seventh period. Second semester—M., W., F., sixth period, and M., W., seventh period. First summer term—Daily, first and second periods. (2 hours.) Prerequisites: Art 161 and Art 372.

Purpose: To become acquainted with the principles of house planning, decorating, and furnishing of a house; to plan appropriate backgrounds for various rooms according to use and location in the house; to choose and arrange furniture to its best advantage; to develop an appreciation for artistic and beautiful surroundings; sanitation of the home and its surroundings.

Topics: Harmony, proportion, balance. Emphasis is placed on color harmony, as applied in rugs; draperies, wall coverings and pictures; period furniture; refinishing furniture; daily and occasional care of the house.

Home Economics 223. Home and Social Problems. (2 hours.) Open to men students only. Second semester—T., T., sixth period.

Purpose: To create in boys a desire for higher home and social standards, thus helping them for the job of home making and more efficient citizens.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 224. Household Equipment. (2 hours.) First semester—T., T., sixth period. Second semester—T., T., sixth period. First summer term—Daily, fourth period.

Purpose: To familiarize girls with various types of modern household furnishings and enable them to more wisely purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings including electric and non-electric; cleaning equipment; bedding, linens, china, glassware, and silver; floor coverings, etc.

Home Economics 321. Home Management. (5 hours.) First and second semester—Lectures, T., and Th., first periods. Other hours to be arranged.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the

semester. Prerequisites: Home Economics 101, 102, 103, 211, 222, 224, 231, and junior or senior standing.

Home Economics 231. Home Nursing. (2 hours.) First semester—T., T., fifth period. First summer term—Daily, sixth period. Prerequisites: Physical Welfare 100 or 101.

Purpose: To enable girls to administer first aid and to teach them the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Home Economics 331. Child Care. (2 hours.) First semester—T., T., seventh period and Tu., eighth period. Prerequisites: Education 111 and 114, Chemistry 214, Home Economics 101, 111, 201 or parallel.

Purpose: To teach girls the proper care of the prospective mother, to teach them how to clothe, feed and care for an infant, and to study the correct habits of a child and the importance of these habits.

Topics: Prenatal care of the infant; assembling of a layette; infant nutrition; daily care of the infant; the pre-school child.

Home Economics 361. Materials and Methods for Teaching Vocational Home Economics. (3 hours.) Second semester—M., W., F., sixth period and M., W., seventh period.

Prerequisites: Fifteen hours of Home Economics, Education 102, 111, 114, and 262.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects, experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching; methods of presentation of various subjects and topics; observations of teaching; laboratory equipment; types of laboratories; books and periodicals.

DEPARTMENT OF INDUSTRIAL ARTS

Mr. Deniston

Mrs. Hume

The work of manual training is arranged, first, to aid those who must for some time to come teach both industrial art subjects and academic subjects in the elementary schools or high schools of the state; second, to provide thorough preparation for students who desire to become special teachers, directors and supervisors of industrial art subjects; third, to furnish courses for students who desire to enrich the traditional lines of liberal study.

The demand for competent teachers in the industrial art subjects exceeds the total supply of such teachers from all sources. In many localities teachers are sought who can teach both the manual training work and the common branches, and better salaries are offered for this class of teachers than for teachers who can teach the common branches only.

Students doing their major work in this department should begin shop work and mechanical drawing at the same time.

SHOP COURSES

Industrial Arts 121. (New.) Home Mechanics. (2 hours.) First semester—Tu., W., Th., F., first period. No prerequisite.

Purpose: Given to acquaint the student with the best methods of repairing the small jobs that arise in and about the average home; preparation to teach the subject in junior high schools.

Content: Study and use of common wood tools; soldering; painting; staining and varnishing; repairing; simple electric work.

Industrial Arts 141. (Formerly 104.) Elementary Cabinet Making. (3 hours.) First semester—M., Tu., W., Th., F., sixth period. Second semester—M., Tu., W., Th., F., sixth period. First summer term—Daily, sixth and seventh periods. Second summer term—Daily, sixth and seventh periods.

Purpose: The purposes of this course are to study furniture making as it may be taught to high school and vocational classes, and to consider the organization and teaching of such work in the schools.

Content. A study of the common hand tools, various kinds of woods, simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 242. (Formerly 105.) Advanced Cabinet Making and Mill Work. (2 hours.) Second semester—Tu., W., Th., F., seventh period. Second summer term—Daily, sixth and seventh periods. Pre-

requisites: Elementary Cabinet Making and Elementary Cabinet Drawing.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 244. (Formerly 106a.) Elementary Wood Turning. (2 hours.) By appointment. Prerequisite: Elementary Cabinet Making.

Purpose: To teach the student the use of the modern power wood lathe.

Content: Discourse deals with the various methods in turning in hard and soft wood; it includes work between centers, face plate and chuck turning, finishing and polishing, and the sharpening and care of tools used. Speed for different types of stock, the various materials used in turning and turning as a trade are also included.

Industrial Arts 245. (Formerly 106b.) Advanced Wood Turning. (2 hours.) By appointment. Prerequisite: Elementary Wood Turning.

Purpose: To give the student additional information and practice in the use of the lathe.

Content: In this course the student designs his own projects. The different types of lathes, logical arrangements in shop, management, and the teaching of wood turning will receive special attention.

Industrial Arts 249. (New.) Wood Finishing and Decoration. (2 hours.) Offered on demand. Prerequisite: Elementary Cabinet Making.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Content: The work offered in this course covers the making of a series of panels showing the method and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. (New.) Auto Mechanics. (2 hours.) First semester—M., W., eighth and ninth periods. First summer term—M., Tu., W., Th., eighth and ninth periods. Prerequisite: Elementary Mechanical Drawing.

Purpose: Given to acquaint the student with the theory of gas engine and automobile assembly.

Content: A study of the various parts of the automobile, such as

axles, springs, transmission, power plants, and repair jobs on these units. A thorough study of electricity as applied to the automobile, including storage batteries, ignition, wiring, starters, generators, and lighting is included.

DRAWING AND DESIGN COURSES

Industrial Arts 231. (New.) Descriptive Geometry. (Same as Mathematics 231.) (2 hours.) Offered on demand. Prerequisite: Mathematics 131.

Purpose: It is the purpose of this course to give broad training in the principles and applications of descriptive geometry.

Content: Determination of lines and points in space, development of surfaces and patterns, theory of orthographic and oblique projections.

Industrial Arts 233. (Formerly 111.) Industrial Arts Design. (2 hours.) Second semester—Tu., Th., third period. Prerequisite: Elementary Mechanical Drawing or Public School Art.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Content: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual class room work is done in designing and rendering with pencil, pen, ink, and color.

Industrial Arts 237. (Formerly 113.) Home Planning and Decoration. (2 hours.) Second semester—Tu., Th., third period. Prerequisite: Freehand drawing or Elementary Mechanical Drawing.

Purpose: Course is designed to acquaint manual training, home economics, and art students with simple home planning and decoration.

Content: A study of the construction of houses, methods of making convenient plans, location on the lot, landscaping, and garden furniture.

Industrial Arts 191. (Formerly 101.) Elementary Mechanical Drawing. (3 hours.) First semester—M., Tu., W., Th., F., second period. Second semester—M., Tu., W., Th., F., second period. First summer term—Daily, first and second periods (2 hours). Second summer term—Daily, first and second periods.

Purpose: Given in the foundation course for Mechanical and architectural drawing.

Content: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing, and blue printing.

Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 292. (Formerly 102.) Elementary Machine Drawing. (2 hours.) First semester—Tu., W., Th., F., first period. First summer term—Daily, first and second periods. Prerequisite: Elementary Mechanical Drawing.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Content: A study is made of the principal forms of boats, screw threads, nuts, and conventions. The student secures his problem from perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 294. (Formerly 103) Elementary Architectural Drawing. (2 hours.) Prerequisite: Elementary Mechanical Drawing. Second semester—Tu., W., Th., F., first period. Second summer term, daily, first and second periods.

Purpose: To give fundamental work in architectural drawing.

Content: Study is made of conventions and symbols methods of representation, drawing of various details. Particular attention is given to free-hand architectural lettering and sketching. A set of plans for a small simple building is drawn by the class.

Industrial Arts 299. (New.) Lettering (1 hour.) First semester—Tu., Th., fourth period. Second semester—Tu., Th., fourth period. First summer term, daily, fourth period. Second summer term—daily, fourth period.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Content: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

PROFESSIONAL COURSES

Industrial Arts 361. (New.) History and Organization of Industrial Arts. (2 hours.) First semester—Tu., Th., third period. Prerequisite: General Psychology or six hours of Industrial Arts.

Purpose: To give the student a historical background and information concerning the organization of Industrial Arts.

Content: A review of the development of educational hand work in Europe and the influence of this work on the manual and Industrial Arts movement in the United States. Organization of Industrial Arts is discussed as to purposes, arrangement of courses, equipment, plans of school shops, and methods of presentation and supervision.

Industrial Arts 364. (Formerly 114.) Vocational Education. (2 hours.) First semester—M., W., fourth period. Prerequisite: Open only to advanced students who present evidence of ability and fitness for supervisory work, or who have pursued two years' work in college.

Purpose: An informational course dealing with the different phases of vocational education.

Content: A study will be made of the development and growth of the industrial movement in the United States, including the various types of schools, such as trade, continuation, part time, pre-vocational, and vocational, also trade and school surveys, State and Federal legislation and regulation.

Industrial Arts 366. (New.) Teaching and Supervision of Industrial Arts. (2 hours.) Offered on demand. Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Content: The problem of teaching from the standpoint of industrial arts; organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, and systems of grading.

GENERAL COURSES

Industrial Arts 201. (Formerly 109.) Projects in Industrial Arts. (1 or 2 hours.) By appointment. Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Content: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 165. Handwork. (Formerly Handwork 101.) First semester—Section 1, Tu., W., Th., F., second period. Section 2, M., Tu., W., Th., fourth period. Second semester—Section 1, M., W., Th., F., second period. Section 2, M., Tu., Th., F., fourth period. First summer term—Section 1, daily, second period. (1 hour.) Section 2, daily, fourth period. Second summer term—Section 1, daily, second period. Section 2, daily, fourth period.

Purpose: This is a practical course involving the use of tools and various materials suitable for use in the elementary school. The relationships of industrial arts to other school work, the organization of the work, and methods of teaching are considered.

Topics: This course includes: Playhouses, Toy making, Booklets, Clay modeling, Block printing, Basketry, Weaving, and others.

LIBRARY SCIENCE

Library Science 166. (Formerly English 166) Library Methods. (1 hour.) First semester—Sec. 1, M., Sixth period. Sec. 2, W., sixth period. Sec. 3, F., sixth period. Second semester—Sec. 1, M., sixth period. Sec. 2, W., sixth period. Sec. 3, F., sixth period. First summer term—Sec. 1, M., W., F., three weeks and W., F., three weeks. Seventh period. Sec. 2, T., T., three weeks and M., T., T., three weeks, seventh period. Second summer term—Sec. 1, M., W., F., three weeks, and W., F., three weeks, seventh period. Sec. 2, T., T., three weeks, and M., T., T., three weeks, seventh period.

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of a book, reference books, indexes, bibliography, and printed aids in book selection.

Required of all freshmen and carrying credit only in the freshman year. Not counted as credit on minor in Library Science.

***Library Science 360.** Administration. (2 hours.) First semester—T., T., sixth period. First summer term—Daily, sixth period.

Purpose: A study of the problems of the school library, including its organization, maintenance and control, planning and equipment, together with the relation of the librarian to the administrative officers, faculty and students.

Topics: Problems and assigned readings concerning the place, function, administration and opportunity of the library in the modern school. Observation and practice in the school library, visits to nearby school libraries will supplement the class work.

***Library Science 361.** Cataloging and Classification. (2 hours.) First semester—T., T., fourth period. First Summer—Daily, fourth period.

Purpose: This course teaches the essential principles of dictionary cataloging and classification necessary in school libraries.

Topic: Attention is given to methods of classifying books, subject headings, shelf listing, ordering and use of Library of Congress cards and to the alphehetical arrangement of cards. Instruction is based on the A. L. A. "Catalog Rules", Dewey's "Abridged Decimal Classification", and Sears' "List of Subject Headings for Small Libraries."

***Library Science 363.** Reference and Bibliography. (2 hours.) First semester—T., T., third period. First summer term—Daily, second period.

Purpose: This course is planned to make students thoroughly

familiar with the content and use of reference books in those fields which are most useful in a school library.

Topics: These will include dictionaries, encyclopedias, indexes and handbooks as well as government documents valuable for reference use. Comparative study and evaluation of periodicals will be taken up. Problems involving the use of materials available in the library on the subjects in question will be assigned and the preparation of various bibliographies required. Practice in building up vertical file collections of clippings, free materials, or picture collections will be required.

***Library Science 365.** Library Work With Children. (2 hours.) Second semester—T., T., third period. Second summer term—Daily, second period.

Purpose: To familiarize those who wish to work in small libraries with the practice of library service to children.

Topics: Planning and equipment of children's room, discipline, reference work with children, methods of directing a child's reading, story telling, aids to library work with children, social and economic problems of the community that affect library work with children. Field work or laboratory practice in our children's library and local libraries.

***Library Science 367.** Book Selection. (2 hours.) Second semester—T., T., sixth period. Second summer term—Daily, sixth period.

Purpose: The major aim of this course is to develop facilities in the judging of books accurately and quickly for school library purchase.

Topics: A critical study of the principal aids to book selection; the checking of current book lists, discussion of American publishers and a study of their special editions; examining, reading and reviewing selected books from various classes, such as: literature, science, history, etc., keeping in mind a well-balanced collection; practice in writing book notes; a comparative study of trade bibliographies; possible picture collections and accumulation of such materials as might be needed by debate clubs etc.

***Library 369.** Student Literature for Grammar Grades and High School. (2 hours.) Second semester—T., T., fourth period. Second summer term—Daily, fourth period.

(English 261 may be counted as credit in library science for those who are preparing to become teacher-librarians. This is a course in literature for primary grades.)

Purpose: In general the aim of this course is to acquaint the students with school children's reading in order that they may understand the varying appeals that books make to children and thus learn to select books with consideration for the different age groups and different reading backgrounds of children.

Topics: Brief history of the development of literature for children; changing conceptions of style, tendencies in publishing and

reviewing; book selection according to individual interests and ages; source materials; magazines and their value; the classics and their place in comparison with modern literature. Reading these books and evaluation of materials will be stressed.

Note: Teaching in library science will be provided for as Education 263 or Education 363 for those who select library science as their minor. These students may receive as much as two and one-half hours credit for this course.

The object of these classes is to qualify those taking library science to fill positions as teacher-librarians in those high schools having less than two hundred students.

*This course is open for credit only to seniors and persons now employed as school librarians. Juniors admitted only with the sanction of the head of the department and the dean of the college.

DEPARTMENT OF MATHEMATICS

Mr. Park
Mr. Caldwell

Mr. Jones
Miss Lowry

Mathematics 100. Fundamentals of Arithmetic. (No credit.) Offered Tuesdays and Thursdays the fifth and eighth periods each semester and summer terms. This course is required of all students who fail to pass the inventory test.

Aim: To give special training to those deficient in the fundamentals of arithmetic.

Content: This course includes a study of elementary and advanced topics in arithmetic. Special attention is given to the development of speed and accuracy in the four fundamental operations. Much time will be given to the solution of practical problems.

Mathematics 107. (Formerly 107a.) College Algebra. (3 hours.) First semester—T., T., S., sixth period. Second semester—Section 1, M., W., F., first period. Section 2, M., W., F., sixth period. First summer term—Daily, second period. Second summer term—Daily, second period. (2 hours.)

Aim: To give thorough and comprehensive instruction in the principles of college algebra.

Content: Review of high school algebra, radicals, quadratics, functions and their graph, advanced topics in quadratic equations, ratio and proportion, variation, progressions, mathematical induction, binomial theorem, inequalities.

Mathematics 207. (Formerly 107b.) College Algebra. (2 hours.) Second semester—T., T., second period. Second summer term—Daily, first period.

Prerequisite 107.

Aim: To give instruction in the advanced topics of college algebra.

Content: This course includes a study of complex numbers, theory of equations, logarithms, permutations and combinations, probability, determinants and partial fractions.

Mathematics 307. Theory of Equations. (3 hours.) First summer term—Daily, first period. (2 hours.)

Prerequisites: 207 and 213.

Aim: To acquaint the student with theory of algebraic equations.

Content: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 213. (Formerly 103.) Trigonometry. (3 hours.) First semester—T., T., S., second period. Second semester—T., T., S.,

second period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period.

Aim: To give instruction in the fundamentals of plane trigonometry.

Content: Functions of acute angles, natural functions, logarithms, solution of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 214. (Formerly 105.) Trigonometry. (2 hours.)

Second summer term—Daily, sixth period.

Prerequisites: 107 and 213.

Aim: This course is intended to give the student thorough instruction in the advanced topics of plane trigonometry and in the principles of spherical trigonometry.

Content: This course includes a study of graphs and functions, identities and equations, applications to algebra, and the principles of spherical trigonometry. Special attention is given to practical applications.

Mathematics 221. General Astronomy. (3 hours.) Second semester—M., W., F., first period.

Prerequisites: 107 and 213.

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Content: This course includes a study of the development of astronomy as a science, the origin of the solar system, development of the solar system, and recent investigations in the field of astronomy.

Mathematics 131. (Formerly 104.) Solid Geometry. (3 hours.)

Second semester—M., W., F., second period.

Purpose: To give the student a knowledge of the fundamentals and applications of solid geometry.

Content: This course deals with the fundamental propositions, problems, and exercises of solid geometry. Special attention is given to practical applications.

Mathematics 231. Descriptive Geometry. (2 hours.) Offered on demand.

Prerequisite: Mathematics 131.

Purpose: It is the purpose of this course to give broad training in the principles and applications of descriptive geometry.

Content: Determination of lines and points in space, development of surfaces and patterns, theory of orthographic and oblique projections.

Mathematics 232. (Formerly 108 and 109.) Analytic Geometry. (5 hours.) First semester—Daily, first period. Second semester—Daily, first period. First summer term—Daily, second and eighth periods, (4 hours.)

Prerequisites: 107 and 213.

Aim: To give instruction in the principles and applications of analytic geometry.

Contents: This course deals with problems, formulas and exercises relating to the straight line, circle, parabola, ellipse, and hyperbola. Attention is also given the polar co-ordinates and conics.

Mathematics 241. (Formerly 121.) Statistics and Graphs. (2 hours.) Second semester—T., T., third period. Second summer term—Daily, sixth period.

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of graphical methods.

Contents: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, coefficients of correlation, theory of probability, and graphic methods.

Mathematics 351. (Formerly 110.) Differential Calculus. (5 hours.) First semester—Daily, fourth period. Second semester—Daily, fourth period.

Prerequisites: 107, 213, 232.

Aim: To teach the fundamental principles, problems and practical application of differential calculus.

Contents: Theory of limits, differentiation, simple applications of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 352. (Formerly 111) Integral Calculus. (3 hours.) Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours.)

Prerequisite: 351.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Contents: This course includes a study of integrations, definite integral, integration of rational fractions, reduction formulas and successive integration.

Mathematics 161. (Formerly 102.) Arithmetic for Primary Grades. (3 hours.) First semester—Section 1, M., W., F., second period. Section 2, M., W., F., fourth period. Second semester—Section 1, M., W., F., fourth period. Section 2, M., W., F., seventh period. First summer term—Section 1, Daily, first period. Section 2, Daily, second period. Second summer term—Daily, seventh period. (2 hours.)

Purposes: (a) To acquaint the student with the aims and purposes of primary arithmetic. (b) To give instruction in the best methods of teaching primary arithmetic. (c) To study the recent investigations relating to the teaching of primary arithmetic.

Contents: This course includes a study of the important topics of primary arithmetic, the value of drill, the place of games in the teaching of arithmetic, the solution of problems and the best methods of teaching primary arithmetic.

Mathematics 162. Arithmetic for Rural Schools. (3 hours.)

First semester—M., W., F., seventh period. Second semester—Section 1, M., W., F., seventh period. Section 2, M., W., F., sixth period. First summer term—Daily, seventh period. (2 hours.)

Purpose: To give instruction in the purpose and methods of teaching arithmetic in the one room rural school.

Contents: This course includes a study of lesson plans, assignments, drills, games, solution of problems and methods of teaching arithmetic.

Mathematics 163. (Formerly 101.) Arithmetic for Upper Grades. (3 hours.) First semester—M., W., F., sixth period. Second semester—Section 1, M., W., F., eighth period. Section 2, T., T., S., third period. First summer term—Section 1—Daily, sixth period. Section 2—Daily, seventh period. Second summer term—Daily, fourth period. (2 hours.)

Aims: The aim of this course is to give the student a wide knowledge of the objectives, problems and methods of teaching arithmetic in the upper grades.

Contents: Aims of arithmetic in the upper grades, value types of problems, lesson assignments, examinations, importance of accuracy and speed, best methods of teaching the different topics.

Mathematics 267. (Formerly 112.) Teaching of High School Mathematics. (4 hours.) Second semester—M., T., W., T., eighth period. Second summer term—Daily, first and sixth periods.

Prerequisite: Ten hours of college mathematics or consent of Dean and Head of the Department.

Purpose: (a) To give instruction in the aims and importance of high school mathematics. (b) To give the student a knowledge of the development of mathematics and its place in the secondary school. (c) To give instruction in the best methods of teaching high school mathematics.

Contents: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

DEPARTMENT OF MUSIC

Mr. Van Peurse
Miss Telford

Miss Campbell
Miss Bronson

Mr. Griffith

The aims of the Department of Music are threefold: (1) To prepare the prospective teacher in the one room and in the graded elementary school so that he may carry out some definite music program in his school, such as song singing, appreciation, and beginning music reading. (2) To prepare teachers definitely for school music teaching and supervision. (3) To provide, through extra-curricular musical activities and through appreciation courses, a musical atmosphere that will assist in the development of a discriminating taste, to the end that there may grow a genuine appreciation of the beautiful in music.

College credit for applied music is given under the following conditions:

1. Those who desire credit in piano must be able to perform creditably second grade music before they are permitted to enroll.

2. Those who desire credit in voice must be able to play second grade piano music, or have had sufficient preparatory work to give them a knowledge of the fundamentals of music notation, and some reading ability.

3. Two hours of credit are given for two half hour lessons weekly, one weekly class lesson, and one hour of practice daily.

The foregoing requirements do not preclude beginning work in applied music, but they operate to withhold college credit from elementary work.

Music 201. (Formerly 271.) Music Appreciation. (2 hours.) First semester—M., T., T., F., fourth period. Second semester—M., T., T., F., first period.

Purpose: To foster a greater understanding of and love for good music.

Content: The best music of all times, reproduced on the phonograph; absolute and program music; form in music; recognition of instrumental timbre; lives of great composers.

Music 202. (Formerly 278.) Music History. (2 hours.) Required for major. First semester—T., T., second period. First summer term—Daily, sixth period.

Purpose: To study music history for its cultural and appreciative value.

Content: The development of ancient and medieval music, and

the lives of musicians up to and including the time Bethoven. Illustrated with phonograph records.

Music 203. (Formerly 278.) Music History. (2 hours.) Required for major. Second semester—T., T., third period. Second summer term—Daily, second period.

A continuation of 202. The music and lives of the great composers since Beethoven.

***Music 151.** Harmony I. (2 hours.) Receives credit only upon satisfactory completion of Music 152. Required for major. First semester—M., W., sixth period. First summer term—Daily, fourth period.

Purpose: To provide an elementary knowledge of the construction classification, and progression of chords.

Topics: Major and minor scales, intervals; triads; dominant seventh with its resolutions; inversions; harmony at the keyboard.

Music 152. Sight Singing and Ear Training. (1 hour.) Receives credit only upon satisfactory completion of Music 151. Required for major.

First semester—T., T., sixth period. First summer term—Daily, first period.

Purpose: To begin development of aural perception of music symbols; to teach association of the symbol with the tone it represents; to teach reading and listening.

Content: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups; verbal and tonal dictation, interval drill.

Music 153. Harmony II. (2 hours.) Receives credit only upon satisfactory completion of music 154. Required for major. A continuation of Music 151.

Second semester—M., W., sixth period.

Topics: Modulation by dominant seventh; cadence in new key; common chord modulation dominant ninth; chords of the seventh; harmony at the keyboard.

Music 154. Sight Singing and Ear Training II. (1 hour.) Receives credit only upon satisfactory completion of Music 153. Required for major. A continuation of Music 152.

Second semester—T., T., sixth period.

Content: More difficult sight singing and tonal dictation; simple harmonic recognition; more complex rhythms.

Music 251. Harmony III. (2 hours.) Required for major. Not offered in 1930-31. A continuation of Music 153.

Music 253. Harmony IV. (2 hours.) Required for major. Not offered in 1930-31. A continuation of Music 251.

Music 254. Sight Singing and Ear Training IV. (1 hour.) Required for major. Not offered in 1930-31.

*Credit for any course in Harmony or Sight Singing will not be given until the correlated course is satisfactorily completed.

A continuation of Music 252.

Music 161. Music for Rural Schools. (2 hours.) First semester—M., T., W., T., F., fourth period. Second semester—M., T., W., T., F., second period. First summer term—Daily, second period. Second summer term—Daily, first period.

Purpose: To acquaint the student with methods of teaching music in the rural school; to furnish the student with materials for use in the school; to introduce work in music appreciation for the rural school.

Topics: Aims and importance of music in the rural school; rote songs; easy sight reading; baton technique.

Music 162. Music for Elementary Grades. (2 hours.) This or Music 163 required for Standard Certificate.

First semester—M., T., W., T., F., sixth period. Second semester—M., T., W., T., F., second period. Section 2, M., T., W., F., fourth period. First summer term—Daily, second period. Second summer term—Daily, second period.

Purpose: To acquaint the student with methods of teaching music in elementary grades; to furnish student with materials; to begin study of music appreciation.

Topics: Aims of music in elementary grades; child voice; rote song; easy sight reading; rhythm band.

Music 163. Music for Intermediate Grades. (2 hours.) This or Music 162 required for Standard Certificate.

First semester—M., T., W., T., F., second period. Second semester—M., T., W., T., F., sixth period. Section 2, M., T., W., T., F., seventh period. First summer term—Daily, sixth period. Second summer term—Daily, second period.

Purpose: To acquaint the student with methods of teaching music in the intermediate grades and junior high school; to furnish student with materials for use in these grades; to study music appreciation material.

Topics: Aims of music in intermediate grades and junior high school; rote song; rote to note; easy sight reading; baton technique.

Music 164. Conducting. (2 hours.) Required for major.

Second semester—T., T., seventh period. First summer term—Daily, sixth period.

Purpose: To train student to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton; tempo; attack; release; phrasing; dynamics; seating of the chorus and orchestra; discipline of rehearsals; community music.

Music 261. Grade School Methods and Materials. (2 hours.) Required for majors.

First semester—T., T., seventh period. First summer term—Daily, first period. Second summer term—Daily, fourth period.

Purpose: To prepare the student for the teaching and supervision of music in the grades; to acquaint him with methods and materials.

Topics: Child voice; rote song; observation song; music reading; interpretation; rhythm activities; appreciation lessons; song literature; music series; flash cards; operettas, rhythm band materials.

Music 361. School Music Supervision. (2 hours.) Required for majors only.

Purpose: To prepare the student for the varied activities of the music supervisor in the high school and grades.

Topics: Acquaintance with entire field of school music; music in the junior and senior high school; the instrumental field; outlines for music work; bibliography.

APPLIED MUSIC

Music 211a. Piano. Individual instruction. (2 hours.) Two one-half hour lessons and one class lesson weekly, and one hour practice daily. Hours to be arranged with instructor.

Music 211b, 212a and 212b. Continuation of 211.

Music 221. Voice. Individual instruction. (2 hours.) Two one-half hour lessons and one class lesson weekly, and one hour practice daily. Hours to be arranged with instructor.

Music 238. Stringed Instrument Class. (1 hour.) Hours to be arranged with instructor.

Purpose: To prepare teachers of instrumental music in the schools.

Content: Some ability on a stringed instrument, familiarity with them all (violin, viola, cello, bass); class lesson procedure; class lesson materials.

Music 248. (Wind Instrument Class.) (1 hour.) Hours to be arranged with the instructor.

Purpose: Same as Music 238.

Content: Same as Music 238, with wind instruments of symphony orchestra and band,

DEPARTMENT OF PHYSICAL EDUCATION

Mr. McDonough
Mr. Hughes
Miss Hood

Mr. Hembree
Miss Hughes
Mr. Portwood

The aim of the Department of Physical Education is to train men and women in the practice, method, and organization of physical training activities, so that they may go forth as instructors, supervisors and administrators in the rural and urban communities of the Commonwealth.

Requirements: One hundred and thirty-six semester hours are required for graduation. Sixteen of these hours must be in physical activity, and sixteen in physical education theory. The report of the Committee on Curriculum of Teachers Colleges has been the basis of the course requirements.

Requirements for minors in Physical Education: First minor—twenty-four hours. Second minor—sixteen hours.

Physical Education 110. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour.) Second semester—hours to be arranged. ($\frac{1}{2}$ hour.) First summer term, hours to be arranged. ($\frac{1}{4}$ hour.) Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.)

Purpose: To cultivate in the individual the desirable attitude toward play in relation to the proper use of leisure time. Sports with the greatest carry-over and games requiring minimum equipment are stressed.

Activities: An opportunity will be given the individual under the leadership of an instructor to engage in such activities as volley ball, playground baseball, cage ball, soccer football, speed ball, hockey, tennis, track and field apparatus, tumbling, boxing and other games and sports suitable for use on the field or in the gymnasium.

Physical Education 111. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour.) Second semester—hours to be arranged. ($\frac{1}{2}$ hour.), First summer term—hours to be arranged. ($\frac{1}{4}$ hour.) Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.) A continuation of Physical Welfare 110. Required of all Freshmen in their second semester.

Physical Education 112. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour.) Second semester—hours to be arranged. ($\frac{1}{2}$ hour.) First summer term—hours to be arranged. ($\frac{1}{4}$ hour.) A continuation of physical Welfare 111. Required of all Sophomores in their first semester.

Physical Education 113. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour.) Second semester—hours to be

arranged. ($\frac{1}{2}$ hour.) First summer term—hours to be arranged. ($\frac{1}{4}$ hour.) Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.) A continuation of Physical Welfare 112.

Physical Education 114. (New.) Plays and Games. (2 hours.) First semester—M., W., F., seventh period. First summer term—Daily, first period. (1 hour.)

Purpose: This course is designed for teachers in rural and urban schools who wish to conduct plays and games.

Topics: Plays and games will be taught and discussed as to their adaptability to schoolroom, playground, and gymnasium. Games with elements of fleeing, dodging, running, throwing and various tag and "it" games will be included in the course.

Physical Education 115. (Formerly Physical Welfare 115.) Folk dancing. (1 hour.) First semester—T., T., first period. Second semester—T., T., first period.

Purpose: To give the teacher and recreational director materials for teaching.

Activities. The course includes rhythm plays and folk dances graded for use in schools from the first year through the high school age. Typical dances of the following countries will be given: Denmark, Sweden, England, Russia, Scotland and Germany.

Physical Education 130. (New.) Combative Activities. (1 hour.) second semester—T., T., S., fourth period.

Purpose: A course designed for physical education majors and varsity athletes for the purpose of teaching self defense and conditioning through combative activities.

Topics: Boxing, wrestling, wand fencing, etc.

Physical Education 131. (New.) Athletics for Women. (1 hour.) Second semester—T., T., S., fourth period.

Purpose: Participation in the various athletic activities suitable for women.

Topics: Track and field, volley ball, tennis, hockey, soccer, archery, and modified athletic activities.

Physical Education 210. (New.) Recreational Activities. First semester—hours to be arranged. Second semester—hours to be arranged. ($\frac{1}{2}$ hour.) First summer term—hours to be arranged. Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.) Continuation of Physical Education 113. Designed for majors in Physical Education. Junior requirement.

Physical Education 211. (New.) Recreational Activities. Second semester—hours to be arranged. ($\frac{1}{2}$ hour.) First summer term—hours to be arranged. Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.) Continuation of Physical Education 210. Required of all junior physical education majors, second semester.

Physical Education 212. (New.) Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour.) First summer term—

hours to be arranged. ($\frac{1}{4}$ hour.) Required of all physical education majors, senior in their first semester.

Physical Education 213. (New.) Recreational Activities. Second semester—hours to be arranged. ($\frac{1}{2}$ hour.) Second summer term—hours to be arranged. ($\frac{1}{4}$ hour.) Required of all senior physical education majors in their second semester.

Physical Education 214. (Formerly Physical Welfare 213.) Natural Dancing. (1 hour.) Second semester—T., T., third period. Second summer term—Daily, second period.

Purpose: To interpret music through dancing, give training in rhythm, etc.

Topics: Solo and group dances are presented which are adaptable to outdoor festivals and pageants.

Physical Education 215. (Formerly Physical Welfare 215.) Advanced Dancing. (1 hour.) First semester—T., T., second period. Second semester—T., T., second period. Prerequisites: Physical Education 115, 214.

Purpose: Practical consideration to dances concerned in festivals, drama and concerts.

Topics: New materials in natural, folk, and athletic dances with a continuation and progress in technique.

Physical Education 221. (Formerly Physical Welfare 221.) History of Physical Education. Second semester—T., T., fifth period.

Purpose: To set forth the characteristics of different stages and phases through which physical education has passed; introduce persons who have contributed to its advancement and to single out the relationship which physical education has borne to general education throughout its history.

Topics: Gymnastics of early Greeks, Romans and later European systems are discussed. The play, recreation, camping, child health, boy and girl scout and athletic movements; recent trends and a review of state and national legislation.

Physical Education 222. (New.) Principles of Physical Education. (2 hours.) Second semester—M., W., F., sixth period.

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: Sources and data of principles; relation of primitive outdoor, agricultural and modern industrial life to physical education; aims, objectives; psychology of physical education; standards and tests.

Physical Education 223. (New.) Organization. (2 hours.) To be offered second semester 1931-1932.

Purpose: Designed for majors in physical education, dealing with administrative problems in small school systems, county and city, also for principals and superintendents.

Topics: Aims and methods; adaptation of programs to conditions; classification; supervision of playground; making schedules; disci-

pline; construction of apparatus and playgrounds; lockers and dressing rooms.

Physical Education 230. (New) Developmental Athletics. (Men.) (1 hour.) First semester—Lecture, Tu., third period. Practice, Th., S., third period. First summer term—Daily, second period. (1 hour.)

Purpose: Leadership and organization and individual and group athletic activities for elementary and junior high school grades.

Topics: Individual events for competing against standards, individuals and groups, classification as to age, height, and weight; how to conduct intra-mural and inter-school competitions; activities which are conducive to large groups are stressed.

Physical Education 231. (New.) Mass Athletics. (2 hours.) To be offered second semester 1931-1932. (Continuation of Physical Education 230.)

Purpose: A course designed for teachers of high school grade. Group activities adaptable to conditions in small high schools.

Topics: Classifications, soccer, speedball, playground baseball, volley ball, and their modified forms. Point systems and awards now in vogue are studied.

Physical Education 233. (New.) Self Testing Activities. (1 hour.) To be offered second semester 1931-1932.

Purpose: A course for physical education majors.

Topics and Activities: Tumbling and mat work; stunts on "elephant" and parallel bars; horse and buck; active stunts suitable for exhibitions and special fetes; methods of giving assistance on apparatus and tumbling.

Physical Education 240. (New.) Singing Games. (1 hour.) First semester—M., W., F., fifth period. First summer term—Daily, fifth period.

Purpose: A course designed for teachers of young children, materials adapted to school room and playground.

Topics: Singing games. dramatic actions, rhythms and story plays.

Physical Education 250. (Formerly Physical Welfare 114.) Scouting and Clubcraft. (3 hours.) Second semester—Lecture, M., F., seventh period. Laboratory, W., seventh and eighth periods, Second summer term (2 hours.)—Lecture, M., Tu., Th., eighth period. Laboratory, W. F., seventh and eighth periods.

Purpose. This course is intended for those interested in becoming scoutmasters and for all those interested in the principles and methods of scout training. It is also offered for those interested in directing or leading clubs for children and adults.

Topics: Specific community and recreational programs will be studied. Emphasis will be placed upon practical scout requirements, including signaling, knot tying, nature lore, woodcraft, campcraft, first aid and games and contests. The class will be conducted as a

troop or club and one-half time will be devoted to practical scoutcraft and clubcraft.

Physical Education 251. (Formerly Physical Welfare 211.) Clubcraft. (3 hours.) First semester—Lecture, M., F., seventh periods, Laboratory, W., seventh and eighth periods. Second summer term—Lecture, M., T., T., eighth period. Laboratory, W., F., seventh and eighth periods.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 261. (Formerly Physical Welfare 261.) Coaching Basketball for Men. (1 hour.) First semester—T., T., third period. Second semester—T., T., third period. First summer term—Daily, seventh period.

Purpose: Course offered to give prospective coaches a theoretical background as well as an opportunity for participation.

Topics: Principles of game; requirements for each position; individual and team coaching; systems of offense and defense; interpretation of rules and officiating. Participation on college squads will be required.

Physical Education 262. (Formerly Physical Welfare 262.) Coaching Basketball for Women. (1 hour.) Second semester—T., T., seventh period. Second summer term—Daily, sixth period.

Purpose: Designed for women teaching in high schools.

Topics: Discussion of Women's athletics; principles of the game; modified girls' rules; systems of offense and defense; interpretation of rules; officiating; how to conduct intra-mural leagues.

Physical Education 263. (Formerly Physical Welfare 263.) Baseball. (1 hour.) Second semester—T., T., seventh period. First summer term—Daily, sixth period.

Purpose: Course designed to give prospective coaches a theoretical background as well as an opportunity to participate in baseball.

Topics: Batting, pitching, base running, theory and practice. Team work and individual fielding of each position; how to organize and conduct intra-mural and inter-school schedules.

Physical Education 264. (Formerly Physical Welfare 264.) Coaching Football. (1 hour.) First semester—T., T., sixth period. Second semester—T., T., sixth period. First summer term—daily, fourth period.

Purpose: A course designed for players and prospective coaches.

Topics: General principles; systems; generalship; strategy; rules; officiating; equipment, and schedules.

Physical Education 265. (Formerly Physical Welfare 265.) Coach-

ing of Track and Field Sports. (1 hour.) Second semester—Hours to be arranged. First summer term—Daily, seventh period.

Purpose: A course for men preparing to coach in Junior High or High Schools.

Topics: Technique, sprinting and running, jumping, hurdling, training methods; organization of meets and field days.

Physical Education 266. (Formerly Physical Welfare 266.) Materials and Methods for Teaching Physical Education. (3 hours.) First semester—fourth period, M., W., F. First summer term—hours to be arranged.

Purpose: A professional course for classroom and playground teachers and leaders.

Topics: Historical development of teacher training in physical education; aims and objectives of physical education; mental, social and hygienic values of physical education; measuring results in physical education; incentives and awards; study of existing programs of physical education; how to teach games and physical activities.

Physical Education 266. (Formerly Physical Welfare 266.) Materials and methods for Teaching Physical Education. (3 hours.) First semester—fourth period, M., W., F. First summer term—hours to be arranged.

Purpose: A professional course for classroom and playground teachers and leaders.

Topics: Historical development of teachers training in physical education, aims and objectives of physical education; mental, social and hygienic values of physical education; measuring results in physical education; incentives and awards; study of existing programs of physical education; how to teach games and physical activities.

Physical Education 267. (Formerly Physical Welfare 269.) Physical Training Activities. (2 hours.) First semester—Fourth period, T., T., S. First summer term—Daily, hours to be arranged.

Purpose: It is designed for those contemplating leadership in physical education.

Activities: Marching and running tactics; free exercises; apparatus; athletic dancing; tumbling; mimetics and games.

Physical Education 268. (New.) Advanced Physical Training Activities. (2 hours.) Second semester—M., W., F., fourth period. Second summer term—hours to be arranged.

Purpose: Continuation of Physical Education 267.

Activities: Advanced tactics; drills for exhibitions; natural exercises; stunts; character dancing; pyramid building; tumbling and games.

Physical Education 310. (New.) Swimming. (1 hour.) To be offered 1932-33.

Purpose: A course designed for beginners.

Topics: Elimination of fear in water; brink method for teaching swimming; breast stroke; recreational swimming.

Physical Education 311. (New.) Swimming and Water Sports. (1 hour.) To be offered first and second semester 1932-33. First and second summer terms—1933.

Purpose: A course designed for swimmers who satisfy instructor that they are ready to advance.

Activities: Practice of different strokes; diving; water sports, water polo, racing, kind pigeon etc.

Physical Education 360. (New.) Advanced Swimming and Life Saving. (2 hours.) To be offered 1932-33. Prerequisite: Physical Education 311.

Purpose: A course in methods and life saving.

Topics: Practice of various strokes; under water swimming; diving; followed by instruction in junior and senior life saving methods and requirements as prescribed by the American Red Cross.

REGULATIONS CONCERNING UNIFORMS

Recreational Classes

Men: Sleeveless jerseys (white); white running trunks; tennis shoes; white sweat shirts and trousers.

Women: Maroon gym suits, white hose, white sweat shirts, and white tennis shoes.

Tennis shoes to be brought from home, other material must be reserved from College Book Store.

Physical Education Majors and Minors

Men: Gray trousers, soft white shirt, collar attached, black bow tie, tennis shoes, maroon sweat coats.

Women: Black gym suits, white blouse, black hose, white tennis shoes, white sweat coats.

All equipment except tennis shoes must be purchased at College Book Store.

DEPARTMENT OF PHYSICS

Mr. Hummell

Physics 201. Mechanics and Heat. (5 hours.) First semester—Lecture, M., W., F., second period. Laboratory, Tu., Th., first and second periods. Second semester—Lecture, M., W., F., fourth period. Laboratory, Tu., Th., third and fourth periods. First summer term—Lecture, daily, second period. Laboratory, daily, sixth and seventh periods. (4 hours.) Prerequisites: Mathematics 107 (or Junior standing), Mathematics 213, or registration in Mathematics 213.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach Physics in high school, but also for those who expect to enter the field of engineering.

Topics: Falling bodies. Newton's laws of motion and applications to practical problems. Curvilinear motion. Composition and resolution of forces. The laws of equilibrium and their application to various problems. Work and energy. Machines. Momentum. Elasticity. Simple Harmonic Motion. Hydrodynamics. Heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

This course should be followed by Physics 202.

Physics 202. Electricity, Magnetism, Sound, and Light. (5 hours.) Second semester—Lecture, M., W., F., second period. Laboratory, Tu., Th., first and second periods. Second summer term—Lecture, daily, first period. Laboratory, daily, sixth and seventh periods. (4 hours.) Prerequisite: Physics 201.

This course is a continuation of Physics 201, and should be taken by the student who expects to teach Physics or General Science in high school, or to enter the engineering field.

Topics: Electrostatics. The nature of electricity. Properties of a moving electric charge (chemical, heating, and magnetic effects). Magnetism. Ohm's law. Measurement of electrical quantities. Sources of electrical energy. Lenz's law. Inductance and capacity. Alternating current. Electric waves and radio.

Physics 301. An Advanced Course in Mechanics. (5 hours.) First semester—Lecture, daily, fourth period. Prerequisites: Mathematics 352 and Physics 201 and 202.

This course is given primarily for those majoring, or taking a first minor in Physics. Much stress is put upon the solution of problems.

Physics 302. Introduction to Physical Optics. (2 hours.) Second summer term—daily, second period. Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion. Reflection and refraction. Further study of lenses. The telescope. Dispersion. Facts concerning the spectrum. Interference. Diffraction. Plane Polarized Light. The Electromagnetic theory of light. The Quantum Theory and Origin of Spectra. The dilemma. Can the existence of an ether be detected?

Physics 303. Advanced Heat. (2 hours.) First summer term—daily, first period. Prerequisites: Physics 201 and 202.

Purpose: To study the nature of heat and its related phenomena.

Topics: Temperature and thermometry. Errors of a mercurial thermometer with their corrections. Expansion of solids, liquids, and gases. Calorimetry. Change of state. The first law of thermodynamics. The Kinetic theory of gases. Carnot's cycle and the second law of thermodynamics. Electrical instruments. Convection and conduction of heat. Radiation.

Physics 304. Advanced Electricity and Magnetism. (3 hours.) Second semester—M., W., F., sixth period. Prerequisites: Physics 201 and 202 and Mathematics 351.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism. The electric current. Electrostatics. Electrolysis. Thermo-electricity. Electromagnetics. Alternating currents. Electromagnetic radiation. Conduction in gases. Electrons and atoms.

Physics 305. (New.) A laboratory Course is Electrical Measurements. (2 hours.) First semester—Tu., Th., sixth and seventh periods. Prerequisites: Physics 201 and 202.

Purpose: To acquaint the student with the use of a "Test Set" for electrical measurements in commercial practice, and also with laboratory methods.

Topics: Bridge methods and the direct deflection method of measuring resistances. Checking up Ammeters and Voltmeters. Capacity and inductance measurements. Testing out grounds.

Physics 306. A History of Physics. (1 hour.) Offered on demand. Prerequisites: Physics 201 and 202.

DEPARTMENT OF SOCIAL SCIENCE

Mr. Keith
Mr. Dorris
Miss Pollitt

Mr. Moore
Mr. Adams
Miss Floyd

Social Science 102. American History from the Beginning to 1829. (3 hours.) First semester—M., W., F., first period. Section 2, T., T., S., first period. Second semester—Section 1, M., W., F., first period. Section 2, T., T., S., first period. First summer term—Daily, first period. Second summer term—Daily, sixth period. (2 hours.)

Purpose: The purpose of this course is to familiarize the student with the general content of American History from Discovery to the Jackson Administration. Stress is placed on the bibliography and sources of materials for study of American History.

Topics: The discovery, exploration and conquest by nations; colonization; drift of the colonies from the Motherland and eventual revolution; establishment of government and a powerful nation; the beginning of the slavery controversy.

This course is required of all majors and minors in the Social Science Department.

Social Science 103. American History from 1829 to the Present. (3 hours.) First semester—M., W., F., second period. Section 2, T., T., S., second period. Second semester—Section 1, M., W., F., eighth period. Section 2, M., W., F., seventh period. First summer term—Daily, seventh period. (2 hours.)

Purpose: It is the purpose of this course to acquaint the student with the general content and methods of studying and presenting American History from Jackson to the present. An effort is made to acquaint the student with the literature of American History.

Topics: The course dwells upon the continuation of the slavery controversy to the climax of the civil war; reconstruction; mechanical inventions, business and labor organizations; foreign war; imperialism; arbitration and Peace movements.

Required of all majors and minors in the Social Science Department.

Social Science 201. American Immigration. (3 hours.) Second semester—M., T., W., T., F., S., second period first nine weeks.

Purpose: The purpose of this course is to give a survey of the entire field of foreign immigration into the United States, together with their living conditions here after arrival.

Topics: Regions and nations from which the immigrants come; assimilation; housing conditions; economic relations; crime; pauperism; selection.

Social Science 301. American History. (2 hours.) First semester—T., T., sixth period. Second summer term—Daily, first period.

Purpose: The purpose of this course is to acquaint the student with recent American History, beginning about 1890 and continuing up to the current history of the day.

Topics: Organized big business; commerce; expansion; imperialism; tariff; foreign relations; current politics.

Prerequisite: Social Science 102 or 103.

Social Science 305. History of the American West, 1763 to 1890. (3 hours.) First semester—M., W., F., seventh period. Second summer term—Daily, second period.

Purpose: The purpose of this course is to show the relations of the development of the West to American History.

Topics: Advancement of the frontier of American advance; Indian Wars; irrigation; political relations of the west to the nation; contributions of the west; territorial acquisitions.

Social Science 306. History of the American South. (3 hours.) First semester—M., W., F., fourth period. First summer term—Daily, second period.

Purpose: The purpose of this course is to acquaint the student with the historical literature and the history of the south in its relation to the Union.

Topics: Settlement; peoples; religion; education; government; social and economic conditions; relations to the north and to foreign nations consequent to slavery; the civil war, reconstruction, resumption of progress in all lines.

Prerequisite: Social Science 102 or 103.

Social Science 111. American Government. (3 hours.) First semester—M., W., F., eighth period. Second semester—M., W., F., eighth period. First summer term—Daily, eighth period. Second summer term—Daily, seventh period. (2 hours.)

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government.

Topics: Local, State and National Government; organization of the various departments of government with their functions and operation; political organization and the influence of political parties; ideals of correct organization of government and its just functioning.

Social Science 121. Economics. (3 hours.) (See Commerce 124.)

Social Science 122. Principles of Economics. (3 hours.) (see Commerce 125.)

Social Science 222. Practical Economic Problems. (3 hours.) (See Commerce 222.)

Social Science 321. American Economic History. (2 hours.) (See Commerce 321.)

Social Science 311. Problems of American Government. (3 hours.)

Second semester—M., T., W., T., F., S., second period the second nine weeks.

Purpose: To teach governmental organization; to give the student some idea of the evils consequent to government, with ideals of correct organization.

Topics: Problems connected with municipal, state and national government; newer devices in organization and operation of government; problems of exercising the franchise; problems of various franchises in municipalities and contracts of state and nation; problems of the incidence, levy and collection of taxes.

Prerequisite: Social Science 111.

Social Science 231. Sociology. (3 hours.) Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours.)

Purpose: This course is a general course in Introductory Sociology.

Topics: The field covered by sociology; its relation to other sciences; relation of living conditions to life; the problem of finding and using the leaders of the people; social achievement; man's relation to his institutions and responsibility for them; the family, religion and morals.

Social Science 141. Medieval History from about 476 to 1500. (3 hours.) First semester—T., T., S., third period.

Purpose: To familiarize the student with the general course of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period.

Topics: The migration of tribes; the rise of nationalities; medieval church; the Crusades; the feudal systems of the countries; the hundred years' war.

Required: Either this course or 142 is required of all majors or first minors in the Social Science Department.

Social Science 142. Modern History from 1500 to 1815. (3 hours.) Second semester—M., W., F., sixth period.

Purpose: The purpose of this course is to continue the work of 141 and give the student a general introductory view of modern history, together with an insight into the sources of it.

Topics: The reformation and the religious wars; international rivalry and the rise of new nations; social, economic and industrial history of the period; the rise of liberalism and the coming of the French Revolution; the development of political institutions among the nations.

Required: Either this course or 141 is required of all majors and first minors in the Social Science Department.

Social Science 242. English History from 449 to 1600. (3 hours.) First semester—M., W., F., sixth period.

Purpose: The purpose of this course is to give the student a

general view of the first half of English History; with extensive work in the source material concerning it.

Topics: The coming of the Anglo-Saxon; advance toward nationality; the Norman invasion; English Feudalism; the hundred years' war; legal and political development; the wars of the roses and the fall of feudalism; the Tudor Monarchy.

Social Science 341. English History from 1600 to 1700. (2 hours.) Second summer term—fourth period.

Purpose: This course is centered about the Puritan and the English revolutions, and the historical literature of that period.

Topics: Divine Rights of James I and Charles I; religious and financial struggles of the time; parliamentary resistance to the course of the first two Stuarts; the "Roundhead" Rebellion; Charles II., James II. and the English Revolution.

Social Science 342. English History from 1700 to the Present. (3 hours.) Second semester—M., W., F., sixth period.

Purpose: This course is to acquaint the student with the history and historical literature of the period indicated.

Topics: The last of the Stuarts and the accession of the Hanoverians; the struggle for empire; development of British Imperialism; parliamentary reforms of the nineteenth century; influence of political parties; England's place in the "Parliament of Men."

Social Science 244. Legacy of Greece. (2 hours.) (See Foreign Language 112.)

Social Science 245. Legacy of Rome. (2 hours.) (See Foreign Language 113.)

Social Science 344. European History, 1715 to 1815. (3 hours.)

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The industrial revolution among the nations; wars partly consequent upon this revolution; rising imperialism among the nations; the French Revolution; reconstruction of the continent.

Prerequisite: Social Science 141 or 142.

Social Science 345. European History from 1815 to the Present. (3 hours.)

Purpose: The purpose of this course is to give an intensive study of modern European History and its literature.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of socialism—Marx; wars of the century; the merging of the Germanic body into the German Empire; the struggle for naval, industrial and economic mastery and the deluge of the World War.

Prerequisite: Social Science 141 or 142.

Social Science 346. Latin-American History. Second summer term—Daily, second period. (2 hours.)

Purpose: The purpose of this course is to acquaint the student

with the history and government of our Mexican, Central and South American Nations and their relations to the United States.

Topics: Studies of the history of the main countries involved.

Social Science 351. Foreign Government. (3 hours.) First semester—M., W., F., seventh period.

Purpose: To acquaint the student with the governments of England and Switzerland and some of the political literature of the nations.

Topics: The rise of governmental institutions of England and her influence among the nations; kingship; parliament; cabinet; ministry; Privy Council; the Swiss system of government and her democracy.

Prerequisite: Social Science 111.

Social Science 352. Foreign Government. (3 hours.) Second semester—M., W., F., seventh period.

Purpose: This should be a sequent course to 351, but will not require it as a prerequisite. It will attempt to acquaint the student with the politics and political writings concerning France, Italy, Germany, and Russia.

Topics: The governments of France, Italy, Russia, and Germany.

Prerequisite: Social Science 111.

Social Science 161. American History for Teachers of Primary Grades. (3 hours.) First semester—M., W., F., fourth period. Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period.

Purpose: It is the purpose of this course to present methods of teaching social science in grades one to five and to illustrate these methods by suitable material for the grades.

Topics: Patriotic exercises, festival days, holidays are considered. Courses of study are consulted. Source material suitable for use in the work is gathered. Plays, games, excursions, places of historic interest are made topics.

Required of all students intending to teach in the primary grades.

Social Science 361. An Elective Course in Kentucky. (2 hours.) First summer term—Daily, sixth period. Second summer term—Sixth period.

Purpose: To make a general study of Kentucky History.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky's progress. Occasional excursions to places of historic interest will probably be taken.

EASTERN KENTUCKY
STATE TEACHERS COLLEGE
RICHMOND, KENTUCKY

EXPERIMENTAL
CURRICULA



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American Association of Teachers Colleges
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INTRODUCTION

The teachers college has a dual function. Its curriculum must provide for the development of both scholarship and professional training. Both of these objectives are to be kept constantly before the faculty and students. The curriculum of the teachers college is somewhat akin to that of the liberal arts college in that it should provide for a rich culture. It is similar to the curriculum of the vocational school since professional skills are to be developed. These purposes are not antagonistic but they are concomitant.

We have assumed in planning these curricula that specific preparation should be made for each of the teaching fields. An effort has been made to avoid a too narrow specialization. It is believed that a much better product will result from this arrangement than can be secured from curricula based on group requirements, or from the free elective system.

It is hoped that these experimental curricula will supplement our program in student guidance. A student should be able to consult this bulletin and plan his teaching career more intelligently than he would under a system that would permit him to offer four years of indiscriminate credit for a degree without very definite preparation for any teaching position.

These curricula are in no sense final. They are what the bulletin signifies—experimental. They are to be tested over a period of three years for the purpose of refining them. It is recognized that they possess many shortcomings as they stand, but they do represent a beginning. They will be altered and amended as experience furnishes evidence of needed changes.

The following guiding principles have controlled our thinking in their preparation:

- (1) Each curriculum includes courses to give adequate instruction in and preparation for a specific teaching position.
- (2) Each curriculum includes a common group of professional courses.
- (3) Each curriculum includes a group of informational and cultural courses representing the fields of English, Mathematics, Science, and Social Science.
- (4) Each curriculum makes ample provision for individual choices of students so that their work may be planned to suit their own interests and preferences.
- (5) Each curriculum includes a common group of physical education courses designed to promote the health and recreational needs of students.

H. L. DONOVAN, President,
W. C. JONES, Chairman,
Curriculum Committee,

HOW TO USE THIS BULLETIN

Study the contents of this bulletin before you enroll. These curricula are planned and outlined for the purpose of guiding you in planning your college course and in making preparation for your teaching career. Each curriculum is planned for a specific purpose. The following suggestions are offered to guide you in selecting the curriculum which will best meet your requirements:

(1) A student who expects to remain in college only one semester and who plans to secure the College Elementary Certificate upon the completion of a minimum of sixteen semester hours of college credit should enroll for the courses outlined in the first semester of the "Curriculum for a Major in Rural Education". The work outlined in the first semester of this curriculum meets the requirements for the College Elementary Certificate.

(2) A student who expects to remain in school only two years and who plans to secure the Standard Certificate upon the completion of a minimum of sixty-four semester hours of college credit should take the courses outlined in the first two years of one of the following curricula:

- (a) Curriculum for a Major in Early Elementary Education.
- (b) Curriculum for a Major in Intermediate Education.
- (c) Curriculum for a Major in Rural Education.

The work outlined in the first two years of each of these curricula is planned to meet the requirements for the Standard Certificate.

(3) A student who expects to complete the requirements for a professional degree and the College Certificate and who plans to make thorough preparation for a specific teaching job should select the curriculum of his or her choice. The selection of a curriculum should be determined by the Major subject; that is, if a student expects to major in mathematics, the curriculum elected should be the "Curriculum for a Major in Mathematics".

(4) A student who expects to complete the four-year college course and who does not plan to enter the teaching profession should elect the curriculum which most nearly meets his or her requirements. A non-professional curriculum is outlined in the bulletin for those who do not wish to pursue work in the field of education. This curriculum is planned to fulfill the requirements for the B.A. and B.S. degrees in arts and sciences. The student may elect to major and minor in any of the academic departments of the College.

REQUIREMENTS FOR DEGREE AND COLLEGE CERTIFICATE

Residence: The candidate for a degree must have completed a minimum of thirty-six weeks in residence and have earned a minimum of thirty-two semester hours in residence, at least eighteen weeks of which must have been in the senior year.

MINIMUM DEPARTMENTAL REQUIREMENTS

Prescribed by the Normal Executive Council

Education	18 hours
English	12 hours
Social Science	12 hours
Science	12 hours
Mathematics	7 hours
<hr/>	
Total	61 hours

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. It is necessary to remember that adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all teachers must teach two or more different subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

Major	Suggested Minors
Agriculture	Chemistry, Physics, Physical Education
Art	Music, English, Foreign Languages
Biology	Chemistry, Physics, Mathematics
Chemistry	Physics, Mathematics, Biology
Commerce	Social Science, Geography, Mathematics
Education:	
(a) Elementary	Music, Art, English, Geography, Social Science
(b) Intermediate	Music, Art, Geography, English, Social Science
(c) Rural	Music, Art, Geography, English, Social Science
English	Foreign Languages, Social Science, Geography, Library Science
Foreign Languages	English, Social Science, Geography
Geography & Geology	Social Science, Biology, Agriculture
Home Economics	Chemistry, Biology, English
Industrial Arts	Mathematics, Physical Education, Physics, Chemistry
Mathematics	Physics, Chemistry, Physical Education
Music	Art, English, Social Science
Physical Education	
and Health	Mathematics, Chemistry, Biology
Physics	Chemistry, Mathematics, Biology
Social Science	English, Foreign Languages, Physical Education

CURRICULUM FOR MAJOR IN AGRICULTURE

FIRST YEAR

First Semester

Agriculture 126—Farm Poultry	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829	} 3 hrs.
or 103—American History from 1829 to the Present	
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Agriculture 131—General Horticulture	3 hrs.
Chemistry 211—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Elective	6 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Agriculture 115—Soils	3 hrs.
Agriculture 224—Dairy Farming	3 hrs.
English 211 or 212—English Literature	3 hrs.
Elective	7 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hr.

Second Semester

Agriculture 111—Farm Crops,	}	
or 225—Market Milk		3 hrs.
English 213—American Literature		3 hrs.
Practicums		1 hr.
Social Science 111—American Government and Citizenship		3 hrs.
Elective		6 hrs.
Physical Education 113—Recreational Activities		½ hr.
		<hr/> 16½ hrs.

THIRD YEAR

First Semester

Agriculture	3 hrs.
Elective	13 hrs.
	<hr/>
	16 hrs.

Second Semester

Agriculture 121—Feeds and Feeding	3 hrs.
Biology 121—General Biology	4 hrs.
Practicums	1 hr.
Elective	3 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Agriculture 347—Farm Management		3 hrs.
Biology 233—Plant Diseases	}	5 hr.
or 243—Economic Entomology		
Education 262—Fundamentals in Rural Education	}	4 hrs.
or 264—Methods of Teaching in Secondary Schools		
Practicums		1 hr.
Elective		3 hrs.
		<hr/>
		16 hrs.

Second Semester

Agriculture (Elective)	3 hr.
Agriculture 243—Rural Sociology	3 hrs.
Education 265—Supervised Student Teaching in the Early Elementary Grades,	} 5 hrs.
or 266—Supervised Student Teaching in Intermediate Grades and High School	
Elective	5 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Mathematics	7 hours
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Physical Education.

CURRICULUM FOR A MAJOR IN ART

The Art Department will be enlarged and new equipment will be added at the beginning of the school year 1931-32. Two additional teachers have been employed for the Art Department and the courses offered will be adequate to meet the requirements for a major in art. This curriculum will be outlined in detail soon after the beginning of the school year 1931-32 and mimeographed copies will be available for students who are interested in taking a major in art.

CURRICULUM FOR A MAJOR IN BIOLOGY (BOTANY)

FIRST YEAR

First Semester

Biology 121—General Biology	}	4 hrs.
or 241—Invertebrate Zoology		
Education 111—Educational Psychology		3 hrs.
English 101—Oral and Written Composition		3 hrs.
Mathematics 107—College Algebra		3 hrs.
Social Science 102—American History from Beginning to 1829	}	3 hrs.
or 103—American History from 1829 to Present		
Physical Education 110—Recreational Activities		$\frac{1}{2}$ hr.
		<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Biology 242—Comparative Anatomy	4 hrs.
Chemistry 211—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	4 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Biology 231—General Botany	4 hrs.
Chemistry 212—Inorganic Chemistry	5 hrs.
English 211 or 212—English Literature	3 hrs.
Industrial Arts 199—Lettering	1 hr.
Elective	3 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Biology 232—Advanced Botany	}	4 or 2 hrs.
or 235—Systematic Botany		
English 213—American Literature		3 hrs.
Social Science 111—American Government and Citizenship		3 hrs.
Elective		6 or 8 hrs.
Physical Education 113—Recreational Activities		$\frac{1}{2}$ hr.
		<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Biology 233—Plant Diseases	}	
or 234—Plant Physiology and Ecology		3 hrs.
Elective		13 hrs.
		<hr/> 16 hrs.

Second Semester

Biology 235—Systematic Botany	}	
or 232—Advanced Botany		2 or 4 hrs.
Elective		14 or 12 hrs.
		<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Biology 234—Plant Physiology and Ecology	}	
or 233—Plant Diseases		3 hrs.
Education 263—Fundamentals in Intermediate Education	}	
or 264—Methods of Teaching in the Secondary School		4 hrs.
Elective		9 hrs.
		<hr/> 16 hrs.

Second Semester

Biology 381—Animal Physiology		4 hrs.
Education 265—Supervised Student Teaching in the Early Elementary Grades	}	
or 266—Supervised Student Teaching in Intermediate Grades and High School		5 hrs.
Elective		7 hrs.
		<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	4 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Mathematics.

CURRICULUM FOR A MAJOR IN BIOLOGY

(ZOOLOGY)

FIRST YEAR

First Semester

Biology 121—General Biology	}	4 hrs.
or 241—Invertebrate Zoology		
Education 111—Educational Psychology		3 hrs.
English 101—Oral and Written Composition		3 hrs.
Mathematics 107—College Algebra		3 hrs.
Social Science 102—American History from Beginning to 1829	}	3 hrs.
or 103—American History from 1829 to Present		
Physical Education 110—Recreational Activities		$\frac{1}{2}$ hr.

 16½ hrs.

Second Semester

Biology 242—Comparative Anatomy	4 hrs.
Chemistry 211—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	4 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

SECOND YEAR

First Semester

Biology 231—General Botany	4 hrs.
Chemistry 212—Inorganic Chemistry	5 hrs.
English 211 or 212—English Literature	3 hrs.
Industrial Arts 199—Lettering	1 hr.
Elective	3 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

Second Semester

Biology 232—Advanced Botany	}	4 or 2 hrs.
or 235—Systematic Botany		
English 213—American Literature		3 hrs.
Social Science 111—American Government and Citizenship		3 hrs.
Elective		6 or 8 hrs.
Physical Education 113—Recreational Activities		$\frac{1}{2}$ hr.

 16½ hrs.

THIRD YEAR**First Semester**

*Biology (Elective)	4 hrs.
Elective	12 hrs.
	<hr/> 16 hrs.

Second Semester

Elective	16 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

*Biology (Elective)	4 hrs.
Education 263—Fundamentals of Intermediate Education	} 4 hrs.
or 264—Methods of Teaching in the Secondary School	
Elective	8 hrs.
	<hr/> 16 hrs.

Second Semester

*Biology (Elective)	4 hrs.
Education 265—Supervised Student Teaching in the Early Elementary Grades	} 5 hrs.
or 266—Supervised Student Teaching in Intermediate Grades and High School	
Elective	7 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	4 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Mathematics.

*Course elected must be approved by curriculum advisor at time of registration.

CURRICULUM FOR A MAJOR IN CHEMISTRY

FIRST YEAR

First Semester

Chemistry 211—General Chemistry	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	} 3 hrs.
Elective	
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

Chemistry 212—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	5 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

Chemistry 213—Qualitative Analysis or 215—Organic Chemistry	} 4 or 5 hrs.
English 211 or 212—English Literature	
Mathematics 213—Trigonometry	3 hrs.
Elective	6 or 5 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

Chemistry 215—Organic Chemistry or 213—Qualitative Analysis	} 5 or 4 hrs.
English 213—American Literature	
Social Science 111—American Government and Citizenship	3 hrs.
Elective	5 or 6 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

THIRD YEAR**First Semester**

Chemistry (Elective)	4 hrs.
Physics 201—Mechanics and Heat	5 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

Second Semester

Chemistry (Elective)	4 hrs.
Physics 202—Electricity, Magnetism, Sound, and Light	5 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Chemistry 315—Physical Chemistry	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Elective	11 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Mathematics	1 hour
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN COMMERCE

(For Students Preparing to be Teachers of Economics, Accounting,
Business, Etc.)

FIRST YEAR

First Semester

Commerce 124—Economics	3 hrs.
Commerce 131—Elementary Penmanship	1 hr.
Commerce (Elective)	2 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	} 3 hrs.
Physical Education 110—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

Commerce 121—Business Arithmetic	2 hrs.
Commerce 132—Advanced Penmanship	1 hr.
English 102—Oral and Written Composition	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	7 hrs.
Physical Education 111—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

Commerce 122—Principles of Accountancy	3 hrs.
Commerce 125—Principles of Economics	3 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Elective	4 hrs.
Physical Education 112—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

Commerce 201—Business English	3 hrs.
Commerce 220—Principles of Accountancy	2 hrs.
English 213—American Literature	3 hrs.
Elective	8 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Commerce 221—Principles of Accountancy	3 hrs.
Commerce 241—Salesmanship	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

Second Semester

Commerce 222—Practical Economic Problems	3 hrs.
Commerce 224—Banking	3 hrs.
Commerce 242—Advertising	2 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Commerce (Elective)	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

Second Semester

Commerce (Elective)	3 hrs.
Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	5 hrs.
Science	12 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Social Science, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN COMMERCE

(GENERAL CURRICULUM)

FIRST YEAR

First Semester

Commerce 131—Elementary Penmanship	1 hr.
Commerce 151—Beginning Typewriting	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829	3 hrs.
or 103—American History from 1829 to the Present	
Elective	2 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Commerce 121—Business Arithmetic	2 hrs.
Commerce 132—Advanced Penmanship	1 hr.
Commerce 152—Advanced Typewriting	3 hrs.
Commerce 124—Economics	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Elective	4 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Commerce 115—Beginning Shorthand	5 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Commerce 116—Advanced Shorthand	3 hrs.
Commerce 122—Principles of Accountancy	4 hrs.
Commerce 201—Business English	3 hrs.
English 213—American Literature	3 hrs.
Elective	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Commerce 203—Secretarial Practice	3 hrs.
Commerce (Elective)	2 hrs.
Elective	11 hrs.
	<hr/> 16 hrs.

Second Semester

Commerce (Elective)	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	11 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Commerce (Elective)	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	9 hrs.
	<hr/> 16 hrs.

Second Semester

Commerce (Elective)	3 hrs.
Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	5 hrs.
Science	12 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Social Science, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN EARLY ELEMENTARY EDUCATION¹

FIRST YEAR

First Semester

Biology 161—Nature Study	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Handwriting	0 hrs.
Health 101—Sanitary Science	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Education 213—Child Psychology	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Industrial Arts 165—Handwork for Early Elementary Grades	2 hrs.
Music 162—Music for Rural Schools	2 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Agriculture (Elective)	2 hrs.
Biology 121—General Biology	4 hrs.
Education 164—Reading in the Elementary School	3 hrs.
Education 261—Fundamentals in Early Elementary Education	4 hrs.
English 211 or 212—English Literature	3 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Art 161—Public School Art	3 hrs.
Education 265—Supervised Student Teaching in the Elementary Grades	5 hrs.
English 261—Literature for Primary Grades	2 hrs.
Mathematics 161—Arithmetic for Primary Grades	3 hrs.
Elective	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Art 251—Advanced Freehand Drawing	3 hrs.
*Education	3 hrs.
Home Economics 113—Care and Selection of Wardrobe	3 hrs.
Industrial Arts 299—Lettering	1 hr.
Social Science 261—American History for the Teaching of Primary Grades	3 hrs.
Elective	3 hrs.
	<hr/> 16 hrs.

Second Semester

Education 321—Educational Measurement	2 hrs.
English 212 or 211—English Literature	3 hrs.
Science (Elective)	5 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	3 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Art 291—Art Appreciation	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
English 213—American Literature	3 hrs.
Mathematics (Elective)	4 hrs.
Elective	3 hrs.
	<hr/> 16 hrs.

Second Semester

Education (Elective)	4 hrs.
English (Elective)	3 hrs.
Geography 271—Geography of North America	3 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

The work outlined in the first two years satisfies the requirements for the Standard Certificate.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, Social Science.

*Course elected must be approved by curriculum advisor at time of registration.

CURRICULUM FOR A MAJOR IN INTERMEDIATE EDUCATION¹

FIRST YEAR

First Semester

Biology 121—General Biology	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Handwriting	0 hrs.
Library Science 166—Library Methods	1 hr.
Music 163—Music for Intermediate Grades	2 hrs.
Social Science 102—American History from the Beginning to 1829	} 3 hrs.
or 103—American History from 1829 to the Present	
Physical Education 110—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

Education 164—Reading in the Elementary School	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
Industrial Arts 299—Lettering	1 hr.
Mathematics 163—Arithmetic for Upper Grades	3 hrs.
Social Science 141—Medieval History from About 476 to 1500	3 hrs.
Physical Education 111—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

Art 161—Public School Art	3 hrs.
Education 263—Fundamentals in Intermediate Education	4 hrs.
English 213—American Literature	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Physical Education 112—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

Agriculture (Elective)	3 hrs.
Biology 161—Nature Study	3 hrs.
Education 266—Supervised Student Teaching in the Intermediate Grades and High School	5 hrs.
English 211 or 212—English Literature	3 hrs.
English 261—Literature for Primary Grades	2 hrs.
Physical Education 113—Recreational Activities	½ hr.
	<hr/> 16¼ hrs.

THIRD YEAR**First Semester**

Education 213—Child Psychology	3 hrs.
English 212 or 211—English Literature	3 hrs.
Geography 271—Geography of North America	3 hrs.
Physics 101—Introduction to General Physics	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Chemistry 101—Everyday Chemistry	3 hrs.
Education 321—Educational Measurement	3 hrs.
Geography 272—Geography of Europe	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Art 291—Art Appreciation	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
English 217—Contemporary Literature	2 hrs.
Social Science 142—Modern History from 1500 to 1815	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

Second Semester

*Education	3 hrs.
English (Elective)	3 hrs.
Mathematics 221—General Astronomy	3 hrs.
Social Science 361—Kentucky History	2 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

¹The work outlined in the first two years satisfies the requirements for the Standard Certificate.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, Social Science.

*Course elected must be approved by curriculum advisor at time of registration.

CURRICULUM FOR A MAJOR IN RURAL EDUCATION¹

FIRST YEAR

First Semester

Education 161—Teaching in the One-and-Two-Teacher School	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Handwriting	0 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 162—Arithmetic for Rural Schools	3 hrs.
Social Science 102—American History from the Beginning to 1829 } or 103—American History from 1829 to the Present }	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Biology 161—Nature Study	3 hrs.
Education 164—Reading in the Elementary School	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
Industrial Arts 299—Lettering	1 hr.
Elective	3 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Art 161—Public School Art	3 hrs.
Education 262—Fundamentals in Rural Education	4 hrs.
English 261—Literature for Primary Grades	2 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	4 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Agriculture (Elective)	2 hrs.
Biology 121—General Biology	4 hrs.
Education 265—Supervised Student Teaching in the Early Elementary Grades } or 266—Supervised Student Teaching in the Inter- mediate grades and High School }	5 hrs.
English 213—American Literature	3 hrs.
Music 161—Music for Elementary Grades	2 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
Geography 271—Geography of North America	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 251—Rural School Supervision	3 hrs.
English 212—English Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
Mathematics (Elective)	2 hrs.
Social Science (Elective)	2 hrs.
Elective	3 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 252—County School Administration	3 hrs.
English 217—Contemporary Literature	2 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Social Science (Elective)	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

Second Semester

Art 291—Art Appreciation	3 hrs.
*Education	3 hrs.
Science (Elective)	3 hrs.
Social Science 361—Kentucky History	2 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

¹The work outlined in the first two years satisfies the requirements for the Standard Certificate.

²The courses outlined in the first semester of this curriculum satisfy the requirements for the College Elementary Certificate.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, Social Science.

*Course elected must be approved by curriculum advisor at time of registration.

CURRICULUM FOR MAJOR IN ENGLISH (SPEECH)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
French	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech	3 hrs.
French	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	4 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211—English Literature	3 hrs.
English 231—Public Speaking	3 hrs.
English 261—Literature for Primary Grades	2 hrs.
Elective	8 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 212—English Literature or 213—American Literature	3 hrs.
English 205—Argumentation	3 hrs.
English 216—The Short Story	2 hrs.
Elective	8 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{4}$ hrs.

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English 262—Play Producing	2 hrs.
English 312—Contemporary Drama	3 hrs.
Physical Education 214—Natural Dancing	1 hr.
Social Science 242—English History from 449 to 1600	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English 263—Play Directing	2 hrs.
English 311—Shakespeare	3 hrs.
Physical Education 215—Advanced Dancing	1 hr.
Elective	6 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
English 264—Story Telling	3 hrs.
Library Science 367—Book Selection	} 2 hrs.
or 369—Adolescent Literature	
Elective	6 hrs.
	<hr/>
	16 hrs.

Second Semester

English 335—Interpretive Reading	3 hrs.
Elective	13 hrs.
	<hr/>
	16 hrs

RESTRICTIONS ON ELECTIVES

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	3 hours
Mathematics	7 hours
Science	12 hours
Social Science	3 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Foreign Language, Social Science, Geography, Library Science.

CURRICULUM FOR A MAJOR IN ENGLISH

(LITERATURE)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	2 hrs.
Latin	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech or 231—Public Speaking	3 hrs.
Latin	3 hrs.
Social Science 141—Medieval History from About 476 to 1500 or 142—Modern History from 1500 to 1815	3 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211—English Literature	3 hrs.
English (not literature)	2 or 3 hrs.
Latin	3 hrs.
Social Science 242—English History from 449 to 1600	3 hrs.
Elective	5 or 4 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 212—English Literature	3 hrs.
English 213—American Literature	3 hrs.
Latin	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	4 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English (drama)	3 hrs.
English (literature)	3 or 2 hrs.
Foreign Language	3 hrs.
Elective	4 or 5 hrs.
	<hr/> 16 hrs.

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English (poetry)	3 hrs.
English 301—Advanced Composition	3 hrs.
Foreign Language	3 hrs.
Elective	3 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
English (literature)	2 hrs.
English (prose)	3 hrs.
Elective	6 hrs.
	<hr/> 16 hrs.

Second Semester

English (language or literature)	4 hrs.
Elective	12 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	3 hours
Mathematics	7 hours
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Foreign Language, Social Science, Geography, Library Science.

CURRICULUM FOR A MAJOR IN FOREIGN LANGUAGE

(FRENCH)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Foreign Language 151—Elementary French	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from Beginning to 1829 or 103—American History from 1829 to Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Foreign Language 152—Elementary French	3 hrs.
Elective	10 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Foreign Language 251—Intermediate French	3 hrs.
Elective	10 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Foreign Language 252—Intermediate French	3 hrs.
Foreign Language 253—French Civilization	2 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	5 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Foreign Language 254—French Prose Classics	3 hrs.
Foreign Language	3 hrs.
Elective	10 hrs.
	<hr/> 16 hrs.

Second Semester

Foreign Language 255—French Prose Classics	3 hrs.
Foreign Language	3 hrs.
Elective	10 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Foreign Language 365—Teacher Training Course	1 hr.
Foreign Language 355—French Drama	2 hrs.
Elective	9 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Foreign Language 356—French Seminar	2 hrs.
Foreign Language (Elective)	2 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Science	12 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Social Science, Latin, Modern Foreign Language, Geography.

CURRICULUM FOR A MAJOR IN FOREIGN LANGUAGE

(LATIN)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Foreign Language 108—Selections from Horace	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from Beginning to 1829 or 103—American History from 1829 to Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Foreign Language 104—Selections from Livy	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	7 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Foreign Language 202—Satire and Epigram or 214—Course in General Linguistics	3 hrs.
Elective	10 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Foreign Language 201—Latin Prose of the Silver Age or 203—Latin Literature of the Early Empire	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	7 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Foreign Language 214—Course in General Linguistics	}	3 hrs.
or 202—Satire and Epigram		
Foreign Language 212—Legacy of Greece		2 hrs.
Elective		11 hrs.
		<hr/> 16 hrs.

Second Semester

Foreign Language 203—Latin Literature of the Early Empire	}	3 hrs.
or 201—Latin Prose of the Silver Age		
Foreign Language 213—Legacy of Rome		2 hrs.
Elective		11 hrs.
		<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Foreign Language 361—The Teaching of Latin	3 hrs.
Elective	9 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Foreign Language (Elective)	3 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Science	12 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Social Science, French, Modern Foreign Language, Geography,

CURRICULUM FOR A MAJOR IN GEOGRAPHY AND GEOLOGY

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the Beginning to 1829	} 3 hrs.
or 103—American History from 1829 to the Present	
Elective	6 hrs.
Physical Education 110—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	7 hrs.
Physical Education 111—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Geography 221—Economic Geography of the Industries	3 hrs.
Elective	7 hrs.
Physical Education 112—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Geography 202—Climatology	3 hrs.
Elective	10 hrs.
Physical Education 113—Recreational Activities	½ hr.
	<hr/> 16½ hrs.

THIRD YEAR**First Semester**

Geography (Elective)	6 hrs.
Elective	10 hrs.
	<hr/>
	16 hrs.

Second Semester

Geography (Elective)	6 hrs.
Elective	10 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or 264—Methods of Teaching in Secondary Schools	}	4 hrs.
Geography 371—Geography of World Problems		
Geography (Elective)		3 hrs.
Elective		6 hrs.
		<hr/>
		16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Geography (Elective)	4 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Mathematics	7 hours
Science	9 hours
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Social Science, Biology, Agriculture.

CURRICULUM FOR A MAJOR IN HOME ECONOMICS

(Vocational Home Economics, Teacher Training)

FIRST YEAR

First Semester

Art 161—Public School Art	3 hrs.
Biology 121—General Biology	4 hrs.
English 101—Oral and Written Composition	3 hrs.
Home Economics 110—Textiles	2 hrs.
Library Science 166—Library Methods	1 hr.
Physics 101—Introduction to General Physics	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

Chemistry 211—General Chemistry	4 hrs
English 102—Oral and Written Composition	3 hrs.
Home Economics 103—Source, Selection, and Cost of Foods	2 hrs.
Home Economics 111—Garment Making	3 hrs.
Physics 102—Household Physics	3 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 15½ hrs.

SECOND YEAR

First Semester

Chemistry 215—Organic Chemistry	5 hrs.
Education 111—Educational Psychology	3 hrs.
Health 101—Sanitary Science	3 hrs.
Home Economics 101—Nutrition and Food Preparation	3 hrs.
Home Economics 112—Dressmaking	2 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

Chemistry 313—Bio-chemistry	5 hrs.
Education 213—Child Psychology	3 hrs.
Home Economics 231—Home Nursing	2 hrs.
Home Economics 102—Advanced Cookery	3 hrs.
Social Science 122—Principles of Economics	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

THIRD YEAR**First Semester**

Biology, Health, or Chemistry—(According to first minor)	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Home Economics 201—Meal Planning, Preparation and Serving	3 hrs.
Home Economics 224—Household Equipment	2 hrs.
Home Economics 331—Child Care	2 hrs.
	<hr/> 16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education (Elective)	2 hrs.
Home Economics 222—The House	3 hrs.
Home Economics 225—Family Relationship	2 hrs.
Home Economics 315—Clothing Design	3 hrs.
Home Economics 361—Materials and Methods for Teaching Vocational Home Economics	3 hrs.
	<hr/> 17 hrs.

FOURTH YEAR**First Semester**

Art 372—Applied Design	3 hrs.
Education 305—Educational Sociology	2 hrs.
English	3 hrs.
Home Economics 301—Dietetics	3 hrs.
Home Economics 321—Home Management	5 hrs.
or Education 266—Supervised Student Teaching in Inter- mediate Grades and High School	
	<hr/> 16 hrs.

Second Semester

English 211 or 212—English Literature	3 hrs.
Home Economics 321—Home Management	5 hrs.
or Education 266—Supervised Student Teaching in Inter- mediate Grades and High School	
Social Science 231—Sociology	3 hrs.
Elective	5 hrs.
	<hr/> 16 hrs.

CURRICULUM FOR A MAJOR IN INDUSTRIAL ARTS

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from the beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	6 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs
Industrial Arts 191—Elementary Mechanical Drawing	3 hrs.
Elective	10 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

Art 161—Public School Art	3 hrs.
English 211 or 212—English Literature	3 hrs.
Industrial Arts 141—Elementary Cabinet Making	3 hrs.
Industrial Arts 244—Elementary Wood Turning	2 hrs.
Elective	5 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Industrial Arts 242—Advanced Cabinet Making and Mill Work	2 hrs.
Industrial Arts 233—Industrial Arts Design	2 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	6 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

THIRD YEAR**First Semester**

Industrial Arts 281—Auto Mechanics	2 hrs.
Industrial Arts 292—Elementary Machine Drawing	2 hrs.
Mathematics 231—Descriptive Geometry	2 hrs.
Elective	10 hrs.
	<hr/> 16 hrs.

Second Semester

Industrial Arts 361—History and Organization of Industrial Arts	2 hrs.
Industrial Arts 294—Elementary Architectural Drawing	2 hrs.
Mathematics 213—Trigonometry	3 hrs.
Elective	9 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Industrial Arts 364—Vocational Education	2 hrs.
Industrial Arts 366—Teaching and Supervision of Industrial Arts	2 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Industrial Arts 201—Projects in Industrial Arts	1 or 2 hrs.
Industrial Arts (Elective)	3 or 2 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Mathematics	2 hours
Science	12 hours
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education, Physics, Chemistry.

CURRICULUM FOR A MAJOR IN MATHEMATICS

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Social Science 102—American History from the beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Mathematics 207—College Algebra	2 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	8 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Mathematics 213—Trigonometry	3 hrs.
Physics 201—Mechanics and Heat	5 hrs.
Elective	5 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Physics 202—Electricity, Magnetism, Sound, and Light	5 hrs.
Elective	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Mathematics 351—Differential Calculus	5 hrs.
Elective	11 hrs.
	<hr/> 16 hrs.

Second Semester

Mathematics 352—Integral Calculus	3 hrs.
Elective	13 hrs.
	<hr/> 16 hrs.

FOURTH YEAR

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Mathematics 267—Teaching of High School Mathematics	4 hrs.
Elective	6 hrs.
Mathematics (Elective)	2 hrs.
	<hr/> 16 hrs.

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Mathematics (Elective)	3 or 6 hrs.
Elective	8 or 5 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Science	2 hours
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Chemistry, Physical Education.

CURRICULUM FOR A MAJOR IN MUSIC

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Music 211a—Piano, Individual Instruction	2 hrs.
Music 238a—Stringed Instrument Class	1 hr.
Music 150—Elements of Music	2 hrs.
Social Science 102—American History from Beginning to 1829 or 103—American History from 1829 to Present	3 hrs.
Elective	1 hr.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Music 211b—Piano, Individual Instruction	2 hrs.
Music 238b—Stringed Instrument Class	1 hr.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	7 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Music 221a—Voice, Individual Instruction	2 hrs.
Music 151—Harmony I	2 hrs.
Music 152—Sight Singing and Ear Training I	1 hr.
Elective	8 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Music 221b—Voice, Individual Instruction	2 hrs.
Music 153—Harmony II	2 hrs.
Music 154—Sight Singing and Ear Training II	1 hr.
Elective	8 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16½ hrs.

THIRD YEAR**First Semester**

Music 261—Public School Music I—Grade Methods and Materials	2 hrs.
Music 251—Harmony III	2 hrs.
Music 252—Sight Singing and Ear Training III	1 hr.
Elective	11 hrs.
	<hr/> 16 hrs.

Second Semester

Education 263—Fundamentals in Intermediate Education	}	4 hrs.
or 264—Methods of Teaching in Secondary School		
Music 262—Public School Music II—Conducting		2 hrs.
Music 253—Harmony IV		2 hrs.
Music 254—Sight Singing and Ear Training IV		1 hr.
Elective		7 hrs.
		<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Music—Piano, Voice, or Violin	2 hrs.
Music 248—Wind Instrument Class	1 hr.
Music 202—Music History	2 hrs.
Elective	6 hrs.
	<hr/> 16 hrs.

Second Semester

Music—Piano, Voice, or Violin	2 hrs.
Music 361—Public School Music III—Supervision	2 hrs.
Music 203—Music History	2 hrs.
Elective	10 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Science	12 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Art, English, Social Science, Elementary Education.

CURRICULUM FOR A MAJOR IN PHYSICAL EDUCATION

(WOMEN)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 100—Personal Hygiene	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Social Science 102—American History from the Beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	1 hr.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
Physical Education 115—Folk Dancing	1 hr.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Chemistry 211—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Physical Education 131—Athletics for Women	1 hr.
Elective	8 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Chemistry 212—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 202—First Aid To the Injured	1 hr.
Physical Education 266—Materials and Methods of Teaching Physical Education	3 hrs.
Physical Education 233—Self-Testing Activities	1 hr.
Elective	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Health 365—Materials and Methods for Teaching Health Education	3 hrs
Physical Education 267—Physical Training Activities	2 hrs.
Physical Education 311—Swimming and Water Sports	1 hr.
Physical Education 240—Singing Games	1 hr.
Elective	9 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 263—Fundamentals in Intermediate Education	}	4 hrs.
or 264—Methods of Teaching in the Secondary School		
Health 362—Individual Gymnastics		2 hrs.
Physical Education 251—Clubcraft		3 hrs.
Physical Education 268—Advanced Physical Training Activities		2 hrs.
Physical Education 214—Natural Dancing		1 hr.
Elective		4 hrs.
		<hr/>
		16 hrs.

FOURTH YEAR**First Semester**

Education 265—Supervised Student Teaching in the Early Elementary Grades	}	5 hrs.
or 266—Supervised Student Teaching in the Intermediate Grades and High School		
Health 303—Advanced Sanitary Science		5 hrs.
Physical Education 215—Advanced Dancing		1 hr.
Physical Education 262—Coaching Basketball for Women		1 hr.
Elective		4 hrs.
		<hr/>
		16 hrs.

Second Semester

Biology 331—Animal Physiology	4 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Physical Education 363—Principles of Physical Education	3 hrs.
Elective	8 hrs.
	<hr/>
	16 hrs

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN PHYSICAL EDUCATION

(MEN)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Social Science 102—American History from the beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Elective	1 hr.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.

16½ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Health 100—Personal Hygiene	3 hrs.
Physical Education 115—Folk Dancing	1 hr.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.

16½ hrs.

SECOND YEAR

First Semester

Chemistry 211—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Physical Education 130—Combative Activities	1 hr.
Elective	8 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.

16½ hrs.

Second Semester

Chemistry 212—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 202—First Aid to the Injured	1 hr.
Physical Education 266—Materials and Methods of Teaching Physical Education	3 hrs.
Physical Education 230—Developmental Activities	1 hr.
Elective	3 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.

16½ hrs.

THIRD YEAR**First Semester**

Health 365—Materials and Methods of Teaching Health Education	3 hrs.
Physical Education 267—Physical Training Activities	2 hrs.
Physical Education 311—Swimming and Water Sports	1 hr.
Physical Education 265—Coaching Track and Field Sports	1 hr.
Elective	9 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 263—Fundamentals in Intermediate Education	}	4 hrs.
or 264—Methods of Teaching in the Secondary School		
Physical Education 250—Scouting and Clubcraft		3 hrs.
Physical Education 268—Advanced Physical Training Activities		2 hrs.
Physical Education 261—Coaching Basketball for Men		1 hr.
Elective		6 hrs.
		<hr/>
		16 hrs.

FOURTH YEAR**First Semester**

Education 265—Supervised Student Teaching in the Early Elementary Grades	}	5 hrs.
or 266—Supervised Teaching in the Intermediate Grades and High School		
Health 303—Advanced Sanitary Science		5 hrs.
Health 362—Individual Gymnastics		2 hrs.
Physical Education 264—Coaching Football		1 hr.
Elective		3 hrs.
		<hr/>
		16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Physical Education 363—Principles of Physical Education	3 hrs.
Physical Education 263—Baseball	1 hr.
Electives	7 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Social Science	6 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN PHYSICS

FIRST YEAR

First Semester

Chemistry 211—General Chemistry	4 hrs.
English 101—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Mathematics 213—Trigonometry	3 hrs.
Social Science 102—American History from the beginning to 1829 or 103—American History from 1829 to the Present	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Education 111—Educational Psychology	3 hrs.
Chemistry 212—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Library Science 166—Library Methods	1 hr.
Mathematics 351—Differential Calculus	5 hrs.
Physics 201—Mechanics and Heat	5 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

Mathematics 352—Integral Calculus	3 hrs.
Physics 202—Electricity, Magnetism, Sound, and Light	5 hrs.
Elective	8 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
Physics 301—An Advanced Course in Mechanics	5 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

Second Semester

English 213—American Literature	3 hrs.
Physics 304—Advanced Electricity and Magnetism or 302—Introduction to Physics Optics	} 2 or 3 hrs.
Elective	
	11 or 10 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Physics (Elective)	5 hrs.
Elective	7 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Physics (Elective)	3 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hours
Social Science	6 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN SOCIAL SCIENCE

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Library Science 166—Library Methods	1 hr.
Social Science 102—American History from Beginning to 1829	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Social Science 103—American History from 1829 to Present	3 hrs.
Elective	10 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Social Science 141—Medieval History from about 476 to 1500 or 142—Modern History from 1500 to 1815	3 hrs.
Elective	7 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Social Science 121—Economics	3 hrs.
Social Science 201—American Immigration or 231—Sociology	3 hrs.
Elective	7 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

English 217—Contemporary Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
Social Science (Elective)	3 or 6 hrs.
Elective	7 or 4 hrs.
	<hr/> 16 hrs.

Second Semester

Social Science (Elective)	4 or 6 hrs.
Elective	12 or 10 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Geography 371—Geography of World Problems	3 hrs.
Social Science (Elective)	2 or 4 hrs.
Elective	7 or 5 hrs.
	<hr/> 16 hrs.

Second Semester

Education 266—Supervised Student Teaching in Intermediate Grades and High School	5 hrs.
Social Science (Elective)	3 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	6 hrs.
Mathematics	7 hrs.
Science	12 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Economics, Foreign Languages, Library Science, Physical Education.

LIBERAL ARTS CURRICULUM

(Without Certification Privilege)

This curriculum leads to the degree of Bachelor of Arts or Bachelor of Science and does not fulfill the requirements for teachers' certificates. The student must satisfy the minimum departmental requirements prescribed by the Normal Executive Council except the requirements in Education. In addition to these requirements the candidate for a degree of Bachelor of Arts must take his major and minors in the fields ordinarily classed acceptable for this degree and must earn credit in Foreign Language as follows:

- If three units of a language are presented for entrance..... 6 semester hours
- If two units are presented.....12 semester hours
- If less than two units are presented.....18 semester hours

The requirements for the degree of Bachelor of Science are the same as for the Bachelor of Arts degree except that at least sixty hours in Science must be offered.

For either degree the requirements for major and minors are the same as those outlined in the curricula in this bulletin except professional courses, which may not be counted in this curriculum. That is, a student who majors in Mathematic; would take the mathematics courses outlined in the "Curriculum for a Major in Mathematics," except Mathematics 267, etc.

The minimum departmental requirements prescribed by the Normal Executive Council are as follows:

English	12 hrs.
Mathematics	7 hrs.
Science	12 hrs.
Social Science	12 hrs.

FIRST YEAR

First Semester

English 101—Oral and Written Composition	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Mathematics 213—Trigonometry	3 hrs.
Social Science 102—American History from Beginning to 1829 or 103—American History from 1829 to Present	3 hrs.
Elective	3 hrs.
Physical Education 110—Recreational Activities	½ hr.
	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Elective	13 hrs.
Physical Education 111—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
Elective	13 hrs.
Physical Education 112—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Social Science 111—American Government and Citizenship	3 hrs.
Elective	10 hrs.
Physical Education 113—Recreational Activities	$\frac{1}{2}$ hr.
	<hr/> 16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Elective	16 hrs.
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Second Semester

Elective	16 hrs.
----------	---------

FOURTH YEAR**First Semester**

Elective	16 hrs.
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Second Semester

Elective	16 hrs.
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MAJOR AND MINORS:

The student must declare his major and minors before registering for the work of the first semester of the second year. Use electives to meet requirements for a major, a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor.

EASTERN KENTUCKY
STATE TEACHERS COLLEGE
RICHMOND, KENTUCKY

Member of American Association of Teachers Colleges
Member of Southern Association of Colleges and Secondary Schools
Approved Literary School

Announcement

EXTENSION DIVISION



A FOUR-YEAR TEACHERS COLLEGE

"LEARN WHILE YOU EARN"

EASTERN KENTUCKY REVIEW

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FOREWORD

It is through the Extension Division of Eastern that the institution extends its facilities of service to the people of the state who do not find it possible to pursue work in residence. A high grade of instruction is offered through correspondence courses and extension classes. This enables many people, especially teachers, to continue work toward graduation or certification at times when circumstances prevent resident attendance.

In recent years new extension services have been provided until now the Eastern Kentucky State Teachers College is prepared to give instruction and service in many different phases of school work. In addition to instruction this Division attempts to provide other important types of services which are described in this bulletin under Public School Service, Lectures, Bureau of Appointments, and Alumni Association.

The extent to which the facilities of the Extension Division function will always depend largely upon the extent to which the school people of Kentucky request our services. The Extension Division invites superintendents, principals, school boards, teachers and patrons to call upon this Division for any information or assistance which they need.

Members of the Extension Division staff take this means of expressing appreciation for the splendid cooperation which this Division has received from superintendents, principals, and teachers.

KERNEY M. ADAMS,

Director Extension Division

EXTENSION DIVISION

ADMINISTRATIVE OFFICERS

H. L. DONOVAN, A. B., A. M., Ph. D., *President*
M. E. MATTOX, B. S., A. M., *Registrar*
SAMUEL WALKER, A. B., A. M., *Principal High School*
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ments*
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F. A. ENGLE, A. B., A. M., *Education*
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ROY B. CLARK, A. B., A. M., Ph. D., *English*
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W. J. MOORE, A. B., A. M., Ph. D., *Commerce*
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J. T. DORRIS, A. B., A. M., Ph. D., *History*
C. A. KEITH, A. B., A. M., Ph. D., *History*

EXTENSION CLASS INSTRUCTORS

All residence faculty members. See general catalog for list.

EXTENSION COMMITTEE

Adams, Dorris, Engle, Hembree, Jones and Smith.
Meets on the fourth Tuesday in each month at 4:10 P. M.

GENERAL INFORMATION

EXTENSION CREDIT DEFINED

The term *extension credit* applies to credit earned either by correspondence or in extension classes.

CREDIT TOWARD CERTIFICATES OR GRADUATION

General Limitations

No certificate, diploma or degree can be earned and no certificate can be renewed by correspondence work alone. Not more than one-fourth of any curriculum leading to a degree or a certificate in the college can be taken by correspondence.

HIGH SCHOOL

The issuance of the Provisional Elementary Certificate of high (normal) school level has been discontinued. However, students may continue to earn correspondence credit toward graduation from the high school department of this institution. Eight of the sixteen units required for the high school diploma may be earned by correspondence, a minimum of four units must be earned in residence at this institution, and the remainder may be earned in residence at any other accredited secondary school.

Furthermore, with the permission of the local high school principal or superintendent, a student may supplement his work in the local high school by pursuing correspondence work. This arrangement enables students in local high schools to pursue correspondence work in cases where they would need to make up for failures or in cases where, for one reason or another, it appears desirable for them to do some work by correspondence.

If a person desires to meet the college entrance requirements at this institution and is not interested in securing the high school diploma, these restrictions on correspondence work do not apply.

COLLEGE DEGREE AND CERTIFICATES

1. COLLEGE ELEMENTARY CERTIFICATE. All the sixteen hours required for this certificate must be earned in residence.

2. The maximum amount of credit, expressed in semester hours, earned by extension instruction (extension class or correspondence), applicable to a certificate or a degree is as follows:

	Total Extension	Extension Class	Correspondence
a. College Elementary Certificate, first renewal	8	8	8
b. Standard Certificate	16	16	16
c. Degree	32	32	32

SYSTEM OF GRADING

The same marking system is used in extension courses and correspondence courses as is used in residence courses and the same limitations are placed on the marks. The same regulations and restrictions used for residence courses are used in extension classes.

All grades are reported in letters on a five-point scale: highest, A; next highest, B; middle group, C; next lowest groups D and Z; lowest group, F. The following is the interpretation placed upon the grading:

A—Excellent, valued at 3 points for each semester hour.

B—Good, valued at 2 points for each semester hour.

C—Average, valued at 1 point for each semester hour.

D—Poor, gives no points but gives credit toward certificate or degree if, with such credits, the student's standing is 1 or more.

I—Incomplete.

Z—Conditioned.

F—Failure, valued at 0 points for each semester hour.

The grades A, B, C, D, F cannot be changed by an instructor. Each grade of I is changed by the instructor when the work has been completed. The grade of Z shall represent an attainment inferior to that of "D" and shall not entitle the pupil to any credit, but shall promote him to a sequent course in the same department specified by the instructor or head of the

department. On completion of this sequent course with a grade of D or higher, the Z shall be changed automatically to a grade of D. The standing of a student is defined as the ratio of his total number of points to his total number of hours. For any certificate of college rank or for a degree a student must offer a number of grade points at least as great as the number of semester hours.

EXTENSION CLASSES

Character of Extension Classes. Eastern offers to teachers in service the opportunity of taking work for credit in extension classes. All extension classes are taught by regular members of Eastern's faculty and are identical with the courses offered in residence with the exception stated under *Amount of Credit* below.

Extension classes are conducted in accordance with the requirements for residence work. It is required that length of class periods, number of class periods, subject matter, examination, texts, quality of work, attendance at class and seriousness of purpose be maintained on a level equivalent to residence requirements.

Where Conducted. Extension classes are conducted in communities where teachers desire to pursue work in class groups in practically the same way as they would if enrolled in residence.

Class Periods. Regularly, extension classes meet one day per week for eighteen weeks. An extension class does not remain in continuous session for a longer period than 100 minutes without an intermission period of at least ten minutes for rest. Not more than two one-hundred-minute periods or four fifty-minute periods are given in one day.

Amount of Credit. In order to increase the efficiency and intensity of extension class work it is required that courses listed as three-hour courses in the general catalog shall be curtailed to two-hour courses when given to extension classes which meet only one day per week. With this one exception courses given in extension classes carry the same amount of credit as residence classes.

Eligibility. A student is not permitted to enroll in an extension class if his eligibility to take the course is in doubt. A student's eligibility to enroll in an extension class is determined by the regulations governing residence and correspondence work in this regard. See paragraph 11 under LIMITATIONS on page 19 of this bulletin.

Before a freshman or sophomore will be permitted to enroll in an extension class course numbered above three hundred (e. g.

Eng. 322) he must provide the Registrar of this institution with a transcript of all work previously completed. On the basis of such transcript the Registrar shall determine whether or not such student will be permitted to enroll in the course.

A student enrolling in extension classes must take the responsibility for his eligibility for credit and for avoiding duplications. In case of doubt the student should consult the Registrar of this institution.

Fees. The fees for extension class groups are \$75.00 for each semester hour of college credit. The cost of a course offered in extension class is apportioned equally among the persons enrolled in the class. By this arrangement the cost to each student is determined by the number of persons enrolled in the class. However, a minimum fee of \$3.00 a semester hour will be charged each student enrolled in an extension class. The minimum fee per student may slightly exceed \$3.00 in the case of an extension class organized at a great distance from the institution. Fees of extension class students shall be paid to the institution through the instructor.

Enrollment. The enrollment of all students in extension classes shall be completed by the end of the eighth fifty-minute class period. Enrollment shall not be considered complete until the student has paid his fees in full.

Class Attendance. It is important that extension class students be in attendance regularly from the first meeting of the class. Otherwise, delayed enrollment and unavoidable absence may raise the number of absences to a point where it would not be permissible to give the student credit.

Extension Class Load. Two extension classes are considered a full load for persons engaged in full-time teaching. A teacher who desires extension class work from the institution in excess of two full courses must secure permission from the Director of Extension and from the superintendent under whom the teacher is working. This limitation takes cognizance of the extension class work which the teacher may be taking with other institutions.

Text Books. Text books used in extension classes may be purchased direct from the publisher. Any individual desiring

to purchase text books from the College Book Store of this institution may do so in the same way as that provided for correspondence students.

Use of Credit. Extension class work cannot be used to satisfy residence requirements at the Eastern Kentucky State Teachers College.

Courses Offered. Any courses listed in the general catalog may be offered in extension classes except those courses in which library or laboratory requirements are more than can be satisfactorily supplied off the campus.

CORRESPONDENCE COURSES

FOR WHOM INTENDED

Correspondence courses are offered with the intention of accommodating students who have attended Eastern in residence and desire to continue work toward a certificate or graduation; students who have done residence work with other accredited institutions and desire to work toward a certificate or graduation in this institution; teachers who, while teaching, desire instruction in courses that will improve their scholarship and teaching efficiency; persons who, having satisfied the residence requirement for certification or graduation, desire to complete the number of semester hours required for such certification or graduation; high school students (in local high schools) who wish to supplement their work in the local high school by pursuing correspondence work; and some few other persons who occasionally desire, for various reasons, to secure instruction and credit or only instruction by correspondence.

CHARACTER OF THE COURSES

The correspondence courses are the same as those given in the class rooms of the institution. With few exceptions the correspondence courses in all departments are prepared and conducted by the regular faculty members who teach these same courses in residence. Most of the courses listed in the general catalog will be offered on sufficient demand, except those requiring a library or a laboratory which can not be supplied off the campus. Brief descriptions of courses with names of required text are given in this bulletin, pages 23-44.

ADVANTAGES

There are some important advantages in correspondence work among which may be mentioned the following: 1. The student is enabled to continue school work while engaged in teaching or other occupation. 2. The nature of the work provides much opportunity for the development of initiative, self-

confidence, self-reliance, and independence in study. 3. The written preparation of the lessons conduces to greater accuracy and clarity in expression. 4. Correspondence work is considerably cheaper than residence work. 5. The opportunity to spend as much time as necessary on the preparation of any one lesson should lead to a high degree of thoroughness.

CREDIT

Within the limitations set forth on pages 19-21 of this bulletin, credits earned by correspondence may be applied to certification or graduation in the same way as credits earned in residence. It should be noted, however, by students who expect to transfer credit earned by correspondence to other institutions, and especially to graduate schools, that a few of the larger institutions in the country do not accept credit earned by correspondence.

TIME FOR COMPLETION OF COURSES

Students are expected to complete at least one lesson a week. Allowance is made, of course, for illness or attendance in residence. If, however, a student does not complete the correspondence work, including the final examination, within a year from the date on which he was enrolled, he automatically forfeits his fee and his right to continue the course unless he pays the reinstatement fee described below. The course shall not be considered completed until the final examination papers are received in the Extension Division office. A course may be completed as rapidly as the student has time to do the work provided that no two-hour course is completed in less time than four weeks from date of enrollment and provided that no three-hour course is completed in less than six weeks from date of enrollment. Time devoted to regular resident study at this or any other institution will not be counted as a part of the twelve months' time allowed for the completion of correspondence work.

REINSTATEMENT FEE

A course which is not completed within twelve months' time may be continued upon the student's payment of a reinstatement

ment fee of \$2.00 which will allow an additional six months in which to complete the course. After the expiration of eighteen months from the date of enrollment all fees are forfeited and the course is permanently cancelled. No student will be reinstated in any course more than once

CHANGE OF COURSES

After a student is enrolled in a course it will be necessary for him to pay a transfer fee of \$1.00, if he desires to have his enrollment transferred to some other course, even though he may not have begun work. Before request for transfer can be considered, the student must fill out a new application blank for the course to which he desires the transfer made.

If a student fails to finish a course within twelve months and desires to be reinstated and also transferred to another course, a fee of \$3.00 will be required, \$2.00 for reinstatement and \$1.00 for transfer.

PROCEDURE FOR ENROLLMENT

1. Satisfy the entrance requirements in the manner described under "ADMISSION REQUIREMENTS" below, page 16.
2. Read carefully all instructions given in this bulletin.
3. Read descriptions of courses listed in this bulletin.
4. Select course or courses for which you seem most eligible.
(Note item No. 11 under "LIMITATIONS" on page 20.)
5. Detach the enrollment application in the back of this bulletin and fill in completely every item of information provided for.
6. Attach check or money order to cover instruction fee for course or courses selected. If you have never before enrolled for correspondence work with this institution, include an additional \$3.00 above instruction fee to cover enrollment fee.
7. Detach blank book order from back of this bulletin.
8. Fill out the book order for the texts required for the course or courses you have selected.
9. Attach to the book order a check or money order to cover costs of texts.

10. Then mail enrollment application and book order direct to the Director of Extension, Eastern Kentucky State Teachers College, Richmond, Kentucky.
11. If the application is approved the following material and supplies will be mailed to the student: (1) three to five assignments, (2) a package of paper on which to write the lessons, (3) general instructions to students, (4) one dozen return envelopes for each course in which to mail the written lessons to the Division.

ADMISSION REQUIREMENTS

Students will be admitted to correspondence courses under the same conditions as govern admission to residence classes. Completion of eighth grade is required for enrollment in a high school course; completion of sixteen units in an accredited high school is required for admission to a college course. Evidence of completion of the eighth grade shall be provided by:

- (1) Presentation of a county school diploma.
- (2) Presentation of a teacher's certificate issued to the prospective student.
- (3) Presentation of a certificate of promotion to high school.
- (4) Passing a satisfactory examination at this institution.

Students who desire to enroll in college courses must furnish the institution with an official transcript of the required high school credits from an accredited high school. Transcripts sent direct by the student can not be accepted. All transcripts of credits must be mailed directly to the Registrar of this institution by the principal, superintendent, or institution certifying to them. Blank forms for such transcripts will be furnished by the Registrar or the Director of Extension upon application.

Enrollment for correspondence work can not be consummated until the applicant has furnished adequate evidence of entrance qualifications. Such evidence shall be established in one of the three ways enumerated below:

- (1) Adequate credentials already on permanent file in the Registrar's office of this institution.

- (2) Presentation of proper credentials at the time application is made for correspondence work.
- (3) Recorded evidence in the Registrar's office to the effect that proper credentials were submitted since November 16, 1928.

SPECIFIC REQUIREMENTS

The following units are required for college entrance:

English.....	3	Plane Geometry.....	1
Algebra.....	1		

The eleven additional units must comply with the list in the general catalog. The general catalog will be sent upon request.

TIME TO ENROLL

Students may begin correspondence work at any time within the year. However, there may be some interruption of the work during the four weeks' summer vacation and the Christmas holidays.

FEES

An enrollment fee of \$3.00 is charged which is paid but once, *no matter how many courses are subsequently taken or how long a time has elapsed between courses.* The student enrolling for the first time should enclose the \$3.00 enrollment fee with his first application for correspondence work. In addition to the enrollment fee there is an instruction fee of \$10.50 for each one-half unit taken, or \$3.50 for each college hour. No credit can be given for any work taken through the Extension Division until the student has paid in full all fees, including fees for books, postage due, etc. *No fees are refunded.* To avoid delay all required fees should accompany the enrollment application. (See PROCEDURE FOR ENROLLMENT, page 15.)

Note. Enrollment and payment of fees in an extension class does not entitle a student to take correspondence courses without the payment of the \$3.00 enrollment fee.

EXAMINATIONS

When a student has completed all the lessons in a course he will be required to take a final examination on the course. If it is inconvenient for the student to report to the office of the Extension Division for the final examination, arrangement will be made, by the student, to have the examination in the student's own county under the supervision of a county or city superintendent, or principal of a four-year accredited high school. After the examination is held the superintendent or principal, supervising the examination, will send the student's papers and the list of examination questions to the Director of Extension. If the examining officer charges a fee for his services, this is paid by the student.

TEXTBOOKS

The textbooks are, in most cases, the same as those used in residence. However, it is necessary sometimes to make exceptions to this and to use other texts for the correspondence courses because the resident student has access to the library that correspondence students do not have.

The textbooks for each course may be purchased from the College Book Store. The payment for textbooks should not be included in checks or money orders for enrollment and instruction fees. Remittance for books should be sent direct to the Director of Extension. Prices of books as listed in this bulletin are subject to change without notice.

No books are mailed to any student without a written order accompanied by the purchase price of the books. Prices of texts and names of publishers are found under description of courses pages 23 to 44. Blank form for ordering books is found in the back of this bulletin. Textbooks are sent postage prepaid. If students desire they may purchase textbooks direct from the publishers, or secure them elsewhere.

Our College Book Store will repurchase most of the textbooks used by our correspondence students. Therefore, a student may be able to resell some or all of his textbooks to the College Book Store. A student may usually expect to resell his textbooks at about fifty percent discount from the price at

which he purchased them from the College Book Store, the repurchase price depending somewhat upon the condition of the books.

LIMITATIONS

1. Correspondence instruction without credit may be obtained by anyone who can show reasonable grounds for thinking that he is prepared to carry the work for which he proposes to register.

2. Not more than two subjects may be taken by correspondence concurrently.

3. No person who has a record of work done in residence shall be eligible for credit by correspondence unless his standing in the work done in residence is as high as 1 when reckoned by the scale of Eastern Kentucky State Teachers College, or has a standing of C in a system of marking by Grades A, B, C, D, F. For this purpose all work registered for must be considered, whether the mark in a given course is pass, condition, incomplete or failure. The foregoing rule may be waived by the Registrar for reasons approved by him.

4. No student shall be eligible to credit by correspondence in a course previously taken in residence with a standing so low as to carry no grade points.

5. It is not possible to substitute a course earned by correspondence to make up a deficiency in grade points on work earned in residence.

6. The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

7. The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

8. Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the

grounds of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

9. No student who is in residence study at any other school is eligible to do correspondence work with this school unless that student can furnish the Extension Division a written permission from the Dean of the school where he is in residence study to the effect that it is with the permission of that school that the student is allowed to take correspondence work with this institution.

10. Correspondence courses may not be taken by residence students except in unusual instances and then only with written permission from the proper authorities. When those who have been taking correspondence work enter this or some other institution to do residence work before the completion of the course, they are expected to drop all correspondence courses unless permission for the continuation of the course can be secured from the proper authorities or from the school at which they are in attendance. Students are held individually responsible for any violation of this rule. When a student is carrying a correspondence course while in residence study at Eastern, whether the course be with this institution or with another institution such course must be entered on the daily schedule and counted in with the regular load.

11. Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

12. Any course number of three digits with 1, 2, or 3 in the hundreds place designates college work. If this digit is 0, or is omitted, the number designates high school work. Whenever this digit is 1 the course is of junior college level (freshman or sophomore). When it is 2 the work is of junior or senior college level (confined rather closely to sophomore and junior years). When it is 3 the course is for juniors and seniors. For

illustration we shall use Education 114, 251, and 331. In Education 114, the hundreds digit is "1" and, therefore, this course is confined primarily to freshman and sophomore students. The hundreds digit, "2," in Education 251 indicates that this course is confined primarily to sophomore and junior students. The hundreds digit in Education 331 indicates that this course is confined primarily to junior and senior years. It is important that these limitations be observed in making application for enrollment in correspondence courses.

13. The amount of correspondence work which may be applied on curricula leading to certificates or graduation is indicated on pages 7-8.

MISCELLANEOUS INFORMATION AND INSTRUCTION

1. All business matters should be addressed to the Director of Extension.

2. Lessons should be mailed to the Extension Division as rapidly as they are prepared. As soon as one or two lessons are prepared, the student should send them in without delay.

3. In preparing lesson manuscripts observe the following:

- a. Write on one side of the paper only.
- b. Use typewriter or a good grade of ink.
- c. Fill in the headings of each sheet.
- d. Write as legibly as possible and prepare work neatly.
- e. Arrange lessons in proper order.
- f. Read manuscripts carefully and make corrections after preparing them.
- g. Fold the sheets of each lesson together.

4. Do not re-submit lessons for better grades unless directed to do so by your instructor.

5. Mail lessons in self-addressed envelopes. Only twelve envelopes are furnished with each course.

6. All written lessons are first class matter. Be sure that sufficient postage is put on lessons mailed to the Division. Two cents postage is required to carry four sheets of regulation lesson paper when sent as first class matter. The Department pays postage for the return of manuscripts to students.

7. Do not ask for examination before the Extension Division notifies you that you are ready.

8. For official transcript of credit earned, write the Registrar.

9. Write the Division when you need paper on which to prepare your lesson manuscripts. Make request before your supply is exhausted. Do not write your instructor for paper.

10. Final examination manuscripts and A and B manuscripts are not returned to the student.

11. Prepare and submit all lessons in regular numerical order. Lesson manuscripts will be rejected unless submitted in regular numerical sequence. If for any important reasons exceptions to this requirement seem desirable, write the Director of Extension for permission to prepare lessons in irregular order.

COLLEGES COURSES

AGRICULTURE

AGRICULTURE 111. *Farm Crops*. Twenty assignments. Credit two semester hours.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops; crop improvement; storage and marketing; crop rotation; judging grain; testing seeds.

Textbooks: Hugh & Henson, *Crop Production*. The MacMillan Company, New York City. \$6.00.

AGRICULTURE 243. (Formerly 108). *Rural Sociology*. Thirty assignments. Credit three semester hours.

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life; movements of population; isolation of rural people; agricultural production; farm tenancy; rural health; rural homes; rural churches, etc.

Textbooks: Hoffer, *Introduction to Rural Sociology*. Richard R. Smith, Inc., New York City. \$2.50.

Lurgrust & Carver, *Principles of Rural Sociology*. Ginn and Company, Columbus, Ohio. \$3.00.

PRACTICUMS: Students majoring in the department of agriculture may upon the advice and consent of the instructor in charge earn credit at home in practicums. Before enrolling in a practicum the student must have the necessary prerequisites and facilities for the conduct of the practicum. As a general rule a practicum carries a credit of one hour. Those desiring to engage in this work should first communicate with the Head of the Department of Agriculture and secure approval of the desired course or courses and then enroll for the work with the Extension Department in the same manner as for other work.

COMMERCE

COMMERCE 121. *Business Arithmetic*. Twenty assignments. Credit two semester hours.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting

notes and other commercial papers; wages and pay rolls; postage, freight and express rates; property insurance; taxation.

Purpose: The purpose of this course is (1) to prepare the student for Commercial Education 122, and (2) to provide the student with sufficient information to teach business arithmetic in the high school.

Textbooks: Finney and Brown, *Modern Business Arithmetic*. Henry Holt Company. \$1.20.

Applied Arithmetic Essentials, H. M. Rose Company, Baltimore, Maryland. 64c. (This should be ordered by the student from the company.)

COMMERCE 125. *Principles of Economics*. (Formerly Social Science 122). Thirty assignments. Credit three semester hours.

Purpose: To acquaint the student with the principles of economic theory.

Topics: The following are the principal topics considered in this course: Industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, and value.

Textbooks: Bye, *Principles of Economics*. Dodd Meade & Company, New York City. \$3.95.

Corner, *Principles of National Economy*, Ginn and Company, Columbus, Ohio. \$3.00.

COMMERCE 151. *Beginning Typewriting*. Thirty assignments. Credit three semester hours.

Purpose: To establish correct technique in the use of the typewriter; to form habits of neatness, accuracy, and speed.

Topics: Correct posture, fingering and touch; operative parts of standard typewriters; high-frequency word drills; special characters not on the keyboard; business letter forms; addressing envelopes; making carbon copies; preparing simple manuscripts; outlines; simple tabulating; care of the typewriter.

Textbook: Lessenberry and Jevon, *20th Century Touch Typewriting*. South-Western Publishing Company, Cincinnati, Ohio. \$1.40.

COMMERCE 201. *Business English*. Thirty assignments. Credit three semester hours.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; addressing the letter; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; the letter of application; business reports; style studies.

Textbook: Babenroth, *Modern Business English*. Prentice Hall Publishing Company, New York City. \$4.00.

COMMERCE 222. *Practical Economic Problems*. Thirty assignments. Credit three semester hours.

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Among the topics considered are the following: Money and banking, labor problems, the trusts, railroads, monopolies, taxation, social insurance.

Textbooks: Bye and Hewett, *Applied Economics*. Dodd Meade & Co., New York City. \$3.50.

Ely, *Outline of Economics*, Fifth Edition. The MacMillan Company, Chicago, Illinois. \$3.00.

COMMERCE 321. *American Economic History*. Thirty assignments. Credit three semester hours.

Purpose: To give the student an understanding of the economic development of the United States.

Topics: The history of American commerce, industry, transportation, banking, labor problems, business organization, monetary problems, and agriculture.

Textbooks: Harold O. Faulkner, *American Economic History*. Harper and Brothers, New York City. \$3.00.

Jennings, *Introduction to American Economic History*. Thomas Y. Crowell Company, New York City. \$3.00.

[The student should order from the McKinley Publishing Company, Philadelphia, Pa., 40 outline maps of the United States, double size (Size A) No. 78. The cost is 74c.]

EDUCATION

EDUCATION 111. *Educational Psychology*. Thirty assignments. Credit three semester hours.

Purposes: (a) To introduce the future teacher to the fundamental principles of educational psychology; (b) to teach the student to apply the psychology of learning to classroom practice; (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology; individual differences; original tendencies; mental health; measurement of non-intellectual traits; measurement of mental ability; uses and results of intelligence tests; the laws of learning; motivation and initiative; efficient learning; the permanence of modification; transfer of training; measurement of achievement; uses of educational tests; the new type of classroom tests; predicting performance; educational guidance.

Textbooks: Pintner, R., *Educational Psychology*. Henry Holt Company, 2541 Prairie Avenue, Chicago, Illinois. \$2.50.

Gast, I. M., and Skinner, H. C., *Fundamentals of Educational Psychology*. Benjamin H. Sanborn. \$2.00.

EDUCATION 164. (Formerly English 164). *Reading in the Elementary School*. Thirty assignments. Credit three semester hours.

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices to enable him to see these

theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

Textbooks: Harris, Donovan and Alexander, *Supervision and Teaching of Reading*, Johnson Publishing Company, Richmond, Virginia. \$2.00.

Stone, *Silent and Oral Reading*, Houghton Mifflin & Co., Boston Mass. \$2.00.

Yoakam, G. A., *Reading and Study*, MacMillan Company, Chicago, Ill. \$2.00.

Terman and Lima, *Children's Reading*. D. Appleton Company, 25 West 32nd Street, New York City. \$1.60.

EDUCATION 203. *Principles of Teaching*. Thirty assignments. Credit three semester hours.

Purposes: (a) To develop an understanding of the principles basic to effective teaching; (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education; meaning and function of the school; meaning and evidences of learning; purposeful activities; selection and organization of subject matter; various types of class procedure; making assignments; standards for judging teaching.

Textbooks: Mossman, Lois Coffey, *Principles of Teaching and Learning in the Elementary School*, Houghton Mifflin Co., Chicago, Illinois. \$1.90.

Thomas, Frank W., *Principles and Technique of Teaching*, Houghton Mifflin Co., Chicago, Illinois. \$2.00.

EDUCATION 211. (Formerly Education 111). *General Psychology*. Thirty assignments. Credit three semester hours.

Purposes: (a) To present the problems, methods, and facts of psychology as a science; (b) to show applications of psychology; (c) to teach students to apply psychological principles to situations in which they may be helpful.

Topics: The problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments; laws of learning; economy in learning; general intelligence and special aptitudes; personality; individuality; applications of psychology.

Textbooks: Gates, *Elementary Psychology*. MacMillan Company. Chicago, Ill. \$2.50.

Dashiell, *Fundamentals of Objective Psychology*. Houghton Mifflin Co., 4 Park Street, Boston, Mass. \$3.00.

EDUCATION 213. (Formerly 114). *Child Psychology*. Thirty assignments. Credit three semester hours.

Purposes: (a) To acquaint the student with the most important facts and principles relative to childhood; (b) to describe the behavior and activities which may be expected of a child in any stage of development; (c) to teach the student how to observe and to interpret the behavior of children; (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction; biological and social heredity; the child as an organism; instincts; emotions; linguistic development; development of handedness; development through play; physical development; hygiene; learning and acquisition of habits; mental development; intelligence; social and moral development; the exceptional child; individual differences; guidance of children.

Textbook: M. V. O'Shea, *The Child; His Nature and Needs*. Children's Foundation, Chicago, Illinois. \$1.25.

EDUCATION 214. (New). *Psychology of Adolescence*. Thirty assignments. Credit three semester hours.

Purposes: (a) To acquaint students with the most important facts and principles relative to adolescence; (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens; (c) to teach students how to solve problems of adolescent behavior; (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction; physical development; mental development; growth of intelligence; adolescent instincts and interests; emotional life; learning and forgetting; moral and religious development; adolescent personality; disturbances of personality; hygiene of adolescence; prediction of adolescent behavior; guidance of adolescent behavior.

Textbook: Brooks, F. D., *The Psychology of Adolescence*. Houghton Mifflin Co., 4 Park St., Boston, Mass. \$3.00.

EDUCATION 321. (Formerly Education 221). *Educational Measurement*. Twenty assignments. Credit two semester hours.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to acquire an understanding of the principles of testing; to develop some degree of skill in the construction of new-type tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests;

the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Textbook: Gilliland, Jordan, and Monroe, *Educational Measurements and the Classroom Teacher*. The Century Company, New York City. \$2.00.

EDUCATION 251. *Rural School Supervision*. Thirty assignments. Credit three semester hours.

Purpose: (a) To emphasize the need for the supervision of instruction in rural schools; (b) to assist the student in planning and administering a desirable supervisory program; (c) to give instruction in the use of the various agencies of supervision; (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, school and classroom visitation, conferences, constructive criticism, summer school attendance, extension and correspondence work, tests and measurements, research and experimentation, school exhibits and clubs, inter-school visitation, professional reading, as agencies of supervision. Throughout the course emphasis is placed upon supervision from the standpoint of the county school system.

Textbooks: Burton, *Supervision and the Improvement of Teaching*, D. Appleton and Co., New York City. \$2.25.

Kyte, *How to Supervise*, Houghton Mifflin Co., 2 Park St., Boston, Mass. \$2.40.

Lowth, *Everyday Problems of the Country Teacher*. The Mac-Millan Co., 2459 Prairie Avenue, Chicago, Illinois. \$2.00.

Department of Education Publications from Frankfort: (a) *Kentucky School Laws of 1926*, together with *Supplement* for 1928 and 1930. (b) *Kentucky Course of Study for Elementary Schools*. (c) *Biennial Report of the State Superintendent* for the two years ending June 30, 1930, Parts I and II.

EDUCATION 252. *County School Administration*. Thirty assignments. Credit three semester hours.

Purpose: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools; (b) to present a desirable philosophy of rural education; (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendents; powers, duties, and qualifications of the members of the county board of education; school organization and control; the county unit system; the school plant; consolidation of schools; standardization of schools; health program for rural schools; curriculum problems of small schools; the junior high school in rural areas; the county high schools; community and county organizations; the county superintendent's office, needed space, and equipment; budget-making; making the salary schedule; selection, placement, and promotion of teachers; child accounting and attendance problems; records and reports; business management and office routine; school costs and financial accounting.

Textbooks: Mueller, *Progressive Trends in Rural Education*. The Century Company, 2126 Prairie Avenue, Chicago, Illinois. \$2.00.

Boraas and Selke, *Rural School Administration and Supervision*. The D. C. Heath and Company, Chicago, Illinois. \$2.00.

Reeder, *The Fundamentals of Public School Administration*. MacMillan Company, 2459 Prairie Avenue, Chicago, Illinois. \$2.25.

Department of Education Publications from Frankfort: (a) *Kentucky School Laws of 1926*, together with the *Supplements* for 1928 and 1930. (b) *Kentucky Course of Study for Elementary Schools*. (c) *Biennial Report of the State Superintendent* for the two Years Ending June 30, 1930, Parts I and II. (d) *All Blank Forms* for making reports which are used by the County Superintendent.

EDUCATION 331. *History of Education*. Twenty assignments. Credit two semester hours.

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization; (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage; (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the doctrine of formal discipline; educational influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public educa-

tion in the United States with special emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Textbooks: Graves, *A Student's History of Education*. MacMillan Company, 2459 Prairie Avenue, Chicago, Illinois. \$1.80.

Cubberley, *Public Education in the United States*. Houghton Mifflin Company, 2 Park Street, Boston, Mass. \$2.40.

Knight, *Education in the United States*. Ginn and Company, Columbus, Ohio. \$2.60.

Hamlett, *History of Education in Kentucky*, furnished by Eastern Teachers College, Richmond, Kentucky. Postage 8 cents, to be paid by the student.

EDUCATION 358. (Formerly Education 322). *Public School Finance*. Twenty assignments. Credit two semester hours.

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities; the units of school support, apportioning the benefit and the sources of public school revenue.

Textbooks: Pittengh, *An Introduction to Public Finance*. Houghton Mifflin Co. Boston, Mass. \$1.90.

Moehlman, *Public School Finance*. Rand McNally and Company, Chicago, Illinois. \$3.00.

ENGLISH

ENGLISH 101. *Oral and Written Composition*. Thirty assignments. Credit three semester hours.

Purpose: To insure the learning and practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop the ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, sentences; drills on all common types of mechanical language errors; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; punctuation; spelling of commonly misspelled words; subordination; diacritical marks.

Textbooks: Jones, *Practice Leaves in the Rudiments of English*. The Century Company, 2126 Prairie Avenue, Chicago, Illinois. 75c.

Greever and Jones, *Century Collegiate Handbook*. The Century Company. \$1.25. In addition to these two textbooks any good grammar book may be used.

ENGLISH 165. (Formerly 104). *Grammar for Teachers*. Twenty assignments. Credit two semester hours.

Prerequisite. Freshman English.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

Textbooks: Cross, *Fundamentals in English*. MacMillan Company. \$2.25.

Blount and Northup, *English Grammar*. Henry Holt & Co., Chicago. \$1.24.

ENGLISH 211. (Formerly 103a). *English Literature*. Thirty assignments. Credit three semester hours.

Prerequisite: Freshman English.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selection of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo-Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucer's England; the Renaissance; the spirit of Elizabethan England; Puritan influence; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature.

Textbooks: Cunliffe, Pyre and Young, *Century Readings in English Literature*, Vol. I. Century Company, 2126 Prairie Avenue. Chicago, Illinois. \$3.00.

Reynolds, *English Literature in Fact and Story*. The Century Company, 2126 Prairie Avenue, Chicago, Illinois. \$1.80.

ENGLISH 212. (Formerly 103b). *English Literature (1800-1925)*. Thirty assignments. Credit three semester hours.

Prerequisite: Freshman English.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries; the movements, influences, leading forms, writers, and content of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period-characteristics, influences, writers, literature as to form, method, and content; mid- and post-Victorian period-characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to leading forms, method, and content; values in English literature; English poetics.

Textbooks: Cunliffe, Pyre, and Young, *Century Readings in English Literature*, Vol. II. Century Company, 2126 Prairie Avenue, Chicago, Illinois. \$3.00.

Reynolds, *English Literature in Fact and Story*. The Century Company. \$2.00.

ENGLISH 213. *American Literature*. Thirty assignments. Credit three semester hours.

Prerequisite: Freshman English.

Purpose: To acquaint students with American life and thought as reflected in the best representative American writings, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times, and, incidentally, to develop some degree of literary discrimination and teaching attitude.

Topics: The pioneer spirit in religious, historical, and journalistic writings; literature of the Revolution; statesmanship of the new nation; romanticism and transcendentalism; disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied; professional aspects of the teaching of American literature in the public schools.

Textbooks: Snyder and Snyder, *A Book of American Literature*. The MacMillan Company, 2459 Prairie Avenue, Chicago, Illinois. \$4.00.

Long, *American Literature*. Ginn and Company, Columbus, Ohio. \$1.60.

ENGLISH 216. (Formerly 108). *The Short Story*. Twenty assignments. Credit two semester hours.

Prerequisites: Freshman English and one survey course.

Purposes: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topics: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high schools.

Textbooks: Jessup, *American Short Stories*. Allyn and Bacon, Chicago, Ill. \$3.50.

O'Brien, *The Twenty-five Finest Short Stories*. Richard R. Smith, Inc., 12 East 41st Street, New York City. \$2.50.

Esenwein, *Writing the Short-Story*. Noble and Noble, 76 Fifth Ave., New York City. \$2.00.

FRENCH

FRENCH 151. (Formerly 101). *Elementary French*. Thirty assignments. Credit three semester hours.

Prerequisites: None.

Purposes: (a) To acquaint the student with the mechanics of the language; (b) to arouse interest in French literature by the early reading of easy French stories.

Textbooks: McKenzie and Hamilton, *Elementary French Grammar*. Century Company, Chicago, Illinois. \$1.50.

Meras and Roth, *Petits Contes de France*. American Book Company, Cincinnati, Ohio. 80c.

FRENCH 152. (Formerly 102). *Elementary French*. Thirty assignments. Credit three semester hours.

Prerequisites: Foreign Language 151 or one unit of high school French.

Purposes: To continue the study begun in French 151.

Textbooks: McKenzie and Hamilton, *Elementary French Grammar*. Century Company, Chicago, Illinois. \$1.50.

Meras and Roth, *Petits Contes de France*. American Book Company, Cincinnati, Ohio. 80c.

Labiche, *Le Voyage de M. Perrichon*. Benjamin J. Sanborn Company, Chicago, Illinois. \$1.15.

GEOGRAPHY

GEOGRAPHY 221. *Geography of Industries*. Thirty assignments. Credit three semester hours.

Purpose: (a) To acquaint the student with the major industries of the world, and the principal factors influencing domestic and international trade; (b) to give the student a background for study in international relations and world problems.

Topics: The nature of economic geography; the place and nature of agriculture; the cereals; the starch foods; the forage crops; vegetable crops; fruit crops and wine industries; sugar; vegetable oils; condiments and tobacco; vegetable fibers; non-food vegetables; fisheries; the animal foodstuffs; animal fibers, furs and skins; the fundamentals of manufacture, fuel and power; the forest industries and paper; the iron and steel industries; the mineral industries; textiles; leather and rub-

ber; inland transportation, North America; international trade and transportation; trade centers and world trade routes.

Textbooks: Smith, J. Russell, *Industrial and Commercial Geography*. Henry Holt Company, New York City. \$4.00.

McMurry, K. C., & Hall, R. B., *Sourcebook in The Geography of Commercial Production*. Edward Bros., Ann Arbor, Michigan. \$3.00.

10 each of *Desk Outline Maps of United States and World*. A. J. Nystrom & Company, Chicago, Illinois. (One cent each.)

Envelope of Huntington Economic Desk Maps. 50 cents.

GEOGRAPHY 271. (Formerly Science 171). *The Geography of North America*. Thirty assignments. Credit three semester hours.

Purposes: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region, the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Textbooks: Miller & Parkins, *Geography of North America*. John Wiley & Bros., New York City. \$4.50.

Smith, J. R., *North America*. Harcourt Brace Company, New York City. \$4.75.

10 *Desk Outline Maps of North America*. A. J. Nystrom & Company, Chicago, Illinois. (One cent each)

GEOGRAPHY 377. *Conservation of Natural Resources*. Thirty assignments. Credit three semester hours.

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminum, silver, uranium and radium; the human resources; agricultural losses.

Textbooks: Van Hise and Havenmeyer, *Conservation of Our Natural Resources*. MacMillan and Company, New York City. \$4.00.

Wm. N. Logan, *Conservation*. Wm. N. Logan, Bloomington, Ind. \$2.00.

10 *Each of Desk Outline Maps of United States and World.* A. J. Nystrom Company, Chicago, Illinois. (One cent each)

HEALTH

HEALTH 101. (Formerly Physical Welfare 101). Thirty assignments. Credit three semester hours.

Purpose: To study the fundamental principles of sanitary science and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Microorganisms in relation to sanitation; personal and public hygiene; food protection and preservation; the protection of the water and milk supply; immunization and control of communicable diseases; home and school sanitation; social and economic aspects of health problems; health administration; function and authority of health officers, etc.

Textbooks: Buice, *Health Science & Health Education*. John Wiley & Sons, Chicago, Illinois. \$3.20.

Turner, *Personal & Community Health*. C. V. Mosby Co., St. Louis, Missouri. \$2.50.

MATHEMATICS

MATHEMATICS 107. (Formerly 107a). *College Algebra* 1. Thirty assignments. Credit three semester hours.

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, mathematical induction, binomial theorem, inequalities.

Textbook: Hart, *College Algebra*. D. C. Heath and Company, Chicago, Illinois. \$2.25.

MATHEMATICS 213. (Formerly 103). *Trigonometry*. Thirty assignments. Credit three semester hours.

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Textbook: Wentworth, *Plane and Spherical Trigonometry*. Ginn and Company, Columbus, Ohio. \$2.00.

SOCIAL SCIENCE

SOCIAL SCIENCE 102. (Formerly 102a). *American History from 1492 to 1789*. Thirty assignments. Credit three semester hours.

Topics: This course covers the periods of discovery, exploration,

settlements, colonial developments and rivalries, revolution, and the movement towards a "more perfect union." The causes and effects of events producing the continuity of history will be emphasized. The use of a source book will greatly enhance the interest.

Textbooks: *Foundations of American Nationality*. American Book Company, Cincinnati, Ohio. \$2.60.

West, *Sourcebook in American History*. Allyn & Bacon, 1006 Michigan Ave., Chicago, Illinois. \$1.60.

Envelope of Outline Maps. 25 maps 25c. (Order from College Book Store.)

SOCIAL SCIENCE 103. (Formerly 102). *American History from 1789 to 1865*. Thirty assignments. Credit three semester hours.

Topics: The great question of the character of the union as evidenced in the controversies over the Bank, Tariff, Internal Improvements, Slavery, etc., will be taught in such manner as to show the ever-enlarging issue over State Rights from 1787 to 1865. Education, inventions, commerce, transportation, industry and other phases of American life will be included.

Textbooks: Martin, *History of the United States*, Vol. I. Glinn & Company, Columbus, Ohio. \$3.80.

Pease and Roberts, *Selected Readings in American History*. Harcourt and Brace, New York City. \$3.15.

25 maps, one cent each. (Order from College Book Store).

SOCIAL SCIENCE 111. (Formerly 107). *American Government*. Thirty assignments. Credit three semester hours.

Topics: This course covers the whole field of American Government—county, city, state and national—giving the student a knowledge of the essentials of citizenship as related to every phase of political interest, and causing him to appreciate government as a shareholding and profit-sharing institution.

Textbooks: Ogg and Roy, *Introduction to American Government*. Century Company, New York City. \$3.75.

Mott, *Materials Illustrative of American Government*. Century Company, New York City. \$2.50.

SOCIAL SCIENCE 141. (Formerly 103a). *Medieval History*. Thirty assignments. Credit three semester hours.

Purpose: To familiarize the student with the general course of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period.

Topics: The migration of tribes; the rise of nationalities; medieval church; the Crusades; the feudal systems of the countries; the hundred years' war.

Textbooks: Lynn Thorndike, *History of Medieval History*. MacMillan Company, New York City. \$3.50.

Robinson, *Readings in European History*, Vol. I. Ginn and Co., Chicago, Ill. \$2.40.

Earle W. Dowe, *Atlas of European History*. Henry Holt Company, New York City. \$2.50. (This atlas is the same as that required in Social Science 142).

SOCIAL SCIENCE 142. (Formerly 103b). *Modern History*. Thirty assignments. Credit three semester hours.

Purpose: The purpose of this course is to continue the work of 141 and give the student a general introductory view of modern history, together with an insight into the sources of it.

Topics: The reformation and the religious wars; international rivalry and the rise of new nations; social, economic and industrial history of the period; the rise of liberalism and the coming of the French Revolution; the development of political institutions among the nations.

Textbooks: Hayes, *Political and Social History of Modern Europe*, Vol. I. MacMillan Company, New York City. \$3.50.

Robinson, *Readings in European History*, Vol. II. Ginn and Company, Columbus, Ohio. \$2.40.

Earle W. Dowe, *Atlas of European History*. Henry Holt Company, New York City. \$2.50. (This atlas is the same as that required in Social Science 141).

SOCIAL SCIENCE 201. (Formerly 109). *American Immigration*. Twenty assignments. Credit two semester hours.

Topics: This course gives a survey of the whole field of immigration into the United States. The causes, regions from which immigrants come, regulation, distribution, assimilation, housing conditions, economic and political effects, crime and pauperism, comprise the main topics.

Textbooks: Fairchild, *Immigration*. MacMillan Company, Chicago, Ill. \$2.40.

Davis, *Immigration and Americanization*. Ginn & Company, Columbus, Ohio. \$3.50.

SOCIAL SCIENCE 231. (Formerly 111). *Sociology. An Introductory Course in Sociology*. Thirty assignments. Credit three semester hours.

Topics: A study of the rise of social institutions; the family; the church; the state and its government; evils of society and reforms.

Textbooks: Dealy, *Sociology, Its Development and Application*. D. Appleton Company, New York City. \$3.00.

Bushee, *Social Organization*. Henry Holt Company, New York City. \$2.80.

Gillin and Blackmar, *Outlines of Sociology*. MacMillan Co., Chicago, Ill. \$3.00.

SOCIAL SCIENCE 242. (Formerly 112). *History of England from the beginning up to 1603*. Thirty assignments. Credit three semester hours.

Topics: This course studies English History in its relation to European political history. It will attempt to lay great stress on the rise and development of British institutions; the place of England in relation to other nations and her influence upon the political development of these other nations.

Textbooks: Cross, *Shorter History of England and Greater Britain*. MacMillan Company, New York City. \$4.00.

Adams and Stephens, *Select Documents of English Constitutional History*. MacMillan Company, New York City. \$2.90.

SOCIAL SCIENCE 301. (Formerly 104). *American History since the Civil War*. Twenty assignments. Credit two semester hours.

Prerequisites: Social Science 102 or 103.

Topics: Political and Economic Reconstruction after the Civil War; rise of huge industrialism; American relations to the world; American problems domestic and foreign.

Textbooks: Paxon, *The New Nation*. Houghton Mifflin Company, 4 Park Street, Boston, Mass. \$2.00.

Malin, *The United States After the World War*. Ginn and Co., Columbus, Ohio. \$3.40.

SOCIAL SCIENCE 342. *History of England from the end of the Stuart Period to the present*. Thirty assignments. Credit three semester hours.

Topics: Struggles for Empire with Europe, especially with France; the great reform movement of England and the development of substantial democracy; the British Empire and the governmental system.

Textbooks: Cross, *Shorter History of England and Greater Britain*. MacMillan Company, New York City. \$4.00.

Adams and Stephens, *Select Documents of English Constitutional History*. MacMillan Company, New York City. \$2.90.

SOCIAL SCIENCE 351. (Formerly 108). *Foreign Governments. The Governments of England and Switzerland*. Thirty assignments. Credit three semester hours.

Prerequisite: Social Science 111.

Topics: The Development of British Governmental institutions, such as kingship, parliament, cabinet, ministry, political parties; the governmental institutions of Switzerland; her democracy.

Textbooks: Ogg, *Governments of Europe*. MacMillan Company. New York City. \$3.75.

Munroe, *Governments of Europe*. MacMillan Company, New York City. \$4.25.

SOCIAL SCIENCE 352. *Governments of Europe. Governments of France, Italy, Germany, Russia, etc.* Thirty assignments. Credit three semester hours.

Prerequisite: Social Science 111.

Topics: The study of the governmental systems of the various countries; parliamentary systems, courts, ministries, democracy, Sovietism, Fascisti movement, etc. Also a study of the new governments of Europe.

Textbooks: Ogg, *The Governments of Europe*. MacMillan Co., New York City. \$3.75.

Munroe, *Governments of Europe*. MacMillan Company, New York City. \$4.25.

HIGH SCHOOL COURSES

AGRICULTURE

AGRICULTURE 11. (Formerly 1). *Soils and Crops*. Eighteen assignments. Credit one-half unit. Second year course.

A study of the common crops grown in the state, and the principles related to the maintenance of the fertility of the soil.

Textbook: Mosier, *Soils and Crops*. Rand McNally Company, 630 South Clark Street, Chicago, Illinois. \$1.75.

AGRICULTURE 23. (Formerly 5). *Poultry*. Eighteen assignments. Credit one-half unit. Fourth year course.

Textbook: Lowman & Krughorne, *Practical Poultry Production*. John Wiley & Sons, New York. \$2.75.

AGRICULTURE 41. (Formerly 4). *Farm Management*. Eighteen assignments. Credit one-half unit. Third year course.

A study of those problems that arise when the farm as a business is considered, as problems of labor, renting, marketing, and size of business.

Textbook: Warrens, *Farm Management*, MacMillan Co., Chicago, Illinois. \$2.50.

EDUCATION

EDUCATION 11. (Formerly 2). *Introductory Psychology* 1. Eighteen assignments. Credit one-half unit. Fourth year course.

This is an elementary course in psychology. The course deals with how to study effectively, how to teach children how to study, and the study of the learning process. The psychological justification of a number of teaching devices and processes will be studied. The purpose of the course is to bring about the most fruitful teaching by the prospective teacher when she goes out.

Textbooks: Larue, *Psychology for Teachers*. American Book Co., Cincinnati, Ohio. \$2.00.

Averill, *Elements of Educational Psychology*. Houghton-Mifflin Co., 4 Park Street, Boston, Massachusetts. \$2.00.

EDUCATION 21. (Formerly 4). *Rural School Management*. Eighteen assignments. Credit one-half unit. Second year course.

This course deals with classroom organization, study of the Kentucky School Laws, Kentucky Course of Study, and school activities.

Textbook: Barnes, *Rural School Management*. Macmillan Company, Prairie Avenue and 25th Street, Chicago, Illinois. \$1.60.

ENGLISH

ENGLISH 01. (Formerly 1). *Grammar 1*. Twenty assignments. Credit one-half unit. First year course.

This is a course in Sentence Structure and Sentence Analysis. The parts of speech are also studied in so far as the knowledge of them seems essential as a basis for self-criticism. Much stress is put upon correct speech and the avoidance of common errors.

Textbook: Kittredge and Farley, *Concise English Grammar*. Ginn and Company, Columbus, Ohio. \$1.00.

ENGLISH 02. (Formerly 2). *Composition*. Eighteen assignments. Credit one-half unit. First year course.

Here are emphasized the principles of paragraph structure; helps in securing sentence unity and sentence emphasis; dealing with choice of words; and the correlation of composition to community life. The course in grammar is prerequisite to this course.

Textbook: Lewis and Hosis, *New Practical English for High Schools*. American Book Company, Cincinnati, Ohio. \$1.40.

ENGLISH 11. (Formerly 3a). *American Literature*. (First half). Eighteen assignments. Credit one-half unit. Second year course.

This course begins a survey of the entire field of American Literature with illustrative readings from the chief authors.

Textbooks: Metcalf, *History of American Literature*. Johnson Publishing Company, Richmond, Virginia. \$1.15.

Calhoun and MacAlarney. *Reading from American Literature*. Ginn and Company, Columbus, Ohio. \$1.75.

ENGLISH 12. (Formerly 3b). *A Continuation of English 11*. (Last half). Eighteen assignments. Credit one-half unit. Second year course.

Textbook: Same as in English 11, and Long, *Outlines in American Literature*. Ginn and Co. \$1.75.

ENGLISH 15. (Formerly 4a). *English Literature 1*. (First half). Eighteen assignments. Credit one-half unit. Third year course.

Textbooks: Metcalf, *English Literature*. Johnson Publishing Company, Richmond, Virginia. \$1.15.

Greenlaw and Miles, *Literature and Life, Book IV*. Scott-Foresman Company, 623 South Wabash Avenue, Chicago, Illinois. \$2.40.

ENGLISH 16. (Formerly 4b). *English Literature*. (Last half). Eighteen assignments. Credit one-half unit. Third year course.

Textbook: Same as in English 15.

HEALTH

HEALTH 61. (Formerly Physical Welfare 61). *Hygiene*. Eighteen assignments. Credit one-half unit.

The primary aim of this course is to prepare rural school teachers to teach the subject of public health, hygiene and sanitation. Some physiology is taught in this course as a background on which to build a proper knowledge of health. Play and gymnastics as a means of producing healthier children are given proper attention.

Textbooks: Winslow and Williams, *Laws of Health*. Charles E. Merrill Company, Chicago, Illinois. \$1.50.

Andress, *Health Education in Rural Schools*. Houghton-Mifflin Company, 4 Park Street, Boston, Massachusetts. \$1.50.

LATIN

LATIN 1. *First Half of Beginning Latin*. Eighteen assignments. Credit one-half unit. First year course.

Textbook: Smith, *Elementary Latin*. Allyn & Bacon, Chicago, Illinois. \$1.25.

LATIN 2. *Second Half of Beginning Latin*. Eighteen assignments. Credit one-half unit. First year course.

Textbook: Same as in Latin 1.

MATHEMATICS

MATHEMATICS 61. (Formerly 1). *Arithmetic 1*. Twenty assignments. Credit one-half unit. Second year course.

This course will include a review of the more important parts of the state adopted text for high schools.

Textbook: Hamilton, *Essentials of Arithmetic, Book II*. American Book Company, Cincinnati, Ohio. 85c.

MATHEMATICS 01. *Algebra 1*. (Formerly Algebra 2). Twenty assignments. Credit one-half unit. First year course.

This course includes the fundamental operations; problems involving the parenthesis and substitution; simple problems in two and three unknowns; factoring; fractions; fractional equations; simple graphs; simultaneous simple equations; involution and evolution.

Textbook: Milne, *Standard Algebra*. American Book Company, Cincinnati, Ohio. \$1.30.

MATHEMATICS 02. (Formerly 3). *Algebra 2*. Twenty assignments. Credit one-half unit. First year course.

This course includes abstract simultaneous equations with two or three unknowns; concrete problems; developing the simultaneous equations; graphs; involution and evolution; theory of exponents; radical surds; quadratic equations.

Textbook: Same as used in Mathematics 01.

MATHEMATICS 31. (Formerly 1). *Geometry 1*. Twenty assignments. Credit one-half unit. Third year course.

This course will include the first half of plane geometry. Much original work will be assigned. The direct method of proof will be used.

Textbook: McCormick, *Plane Geometry*. D. Appleton Co., New York City. \$1.40.

MATHEMATICS 32. (Formerly 5). *Geometry* 2. Twenty assignments. Credit one-half unit. Third year course.

A continuation of the subject of plane geometry. The indirect methods of proof will receive considerable attention in this course.

Textbook: Same as used in Mathematics 31.

GEOGRAPHY

PHYSICAL GEOGRAPHY. Eighteen assignments. Credit one-half unit. Second year course.

A course of practical value to students of geography, biology, agriculture, history, literature, and allied subjects. This course is a systematic study of the land forms, their changes and their influence on man. The topics studied are: Materials of the earth; the earth as a globe; the atmosphere; the oceans; the lands; plains and plateaus; mountains; volcanoes; rivers and valleys; deserts and glaciers; shore lines; the distribution of plants, animals, and man; and the distribution of industries.

Textbook: Tarr and VonEngeln, *New Physical Geography*. MacMillan Company, Chicago, Illinois. \$2.40.

SOCIAL SCIENCE

SOCIAL SCIENCE 1. (Formerly 2a). *American History*. (First half). Eighteen assignments. Credit one-half unit. Fourth year course.

This course is high school American History, covering the period from the beginning of our country to about the adoption of the Constitution.

Textbook: West, *History of American People*. Allyn and Bacon 1006 Michigan Avenue, Chicago, Illinois. \$1.80.

SOCIAL SCIENCE 2. (Formerly 2b). *American History*. (Last half). Eighteen assignments. Credit one-half unit. Fourth year course.

This course begins with adoption of the Constitution and completes the study of American History of high school level.

Textbook: Same as in Social Science 1.

SOCIAL SCIENCE 11. (Formerly 1). *Civics*. Eighteen assignments. Credit one-half unit. Third year course. This is a course in American Civics of high school level.

Textbooks: Garner, *Government in the United States*. American Book Company, Cincinnati, Ohio. \$1.50.

Dawson, *Organized Self-Government*. Henry Holt Company, New York. \$1.00.

SOCIAL SCIENCE 41. (Formerly 3). *Ancient History*. Eighteen assignments. Credit one-half unit. First year course.

This course is a semester's work in the study of Ancient History. The first half of the semester will be devoted to the study of Greek History and the last half to that of Roman History.

Textbook: Robinson and Breasted, *Outlines in European History*. Ginn & Co. \$1.80.

SOCIAL SCIENCE 42. (Formerly 4). *Medieval and Modern History*. Eighteen assignments. Credit one-half unit. First year course.

The first half of this course will consider Medieval History and the last half will be devoted to Modern History.

Textbooks: Harding, *Medieval and Modern History*. American Book Company, Cincinnati, Ohio. \$1.80.

Cheney, *History of England*. Ginn and Company, 199 East Gay Street, Columbus, Ohio. \$1.50.

BUREAU OF APPOINTMENTS

Through the Bureau of Appointments superintendents, principals, and school boards are given prompt assistance in their task of selecting appropriately trained teachers for any vacancies they may have.

The Bureau of Appointments collects confidential information concerning the qualifications of students of this institution who desire the services of this Bureau in securing positions. Special consideration is given to graduates of the institution. Upon request the applicant's information pamphlet is submitted to the employer who in this way has before him all the important facts, including confidential information and letters of recommendation, which are necessary in properly considering an applicant for a vacancy. Furthermore, the Bureau arranges for interviews, in the office of the Bureau, between students and employers who desire to meet the applicants personally.

Services Free—There are no charges made for the services of the Bureau of Appointments. Of course, we can not always place all of the persons enrolled with us and it may sometimes appear desirable for the student or teacher to enroll with one or more of the commercial agencies. We are in position to furnish a list of the names of commercial agencies and will do so upon request.

Registration—All graduates are especially invited to enroll with the Bureau of Appointments. However, the services of the Bureau are also available to all students or former students of the Eastern Kentucky State Teachers College who have had a minimum of two years of training above high school. Persons desiring to enroll with the Bureau should write to the Bureau of Appointments for blank forms for this purpose.

Location of Office—The Bureau of Appointment operates in connection with the Extension Division and one of the Extension Division offices on the second floor of the Administration Building is occupied by the Bureau.

Office Hours—The Secretary of the Bureau of Appointments is in the office from 7:30 to 12:00 a. m. and from 1:00 to

4:30 p. m. Appointments with Dr. L. G. Kennamer, Director of the Bureau of Appointments, may be made with the Secretary. Call 578 for telephone connection with the Bureau.

LECTURES

Through the Extension Division the institution attempts to provide, from the faculty, speakers for commencement addresses, teachers' conferences, women's clubs, civic clubs and various other occasions. The charges for this type of service will vary with the distance traveled and other circumstances.

Superintendents, principals and other persons interested in securing speakers, are invited to write the Director of Extension for information concerning this phase of our service.

PUBLIC SCHOOL SERVICE

The Extension Division attempts to increase the availability of the institution's resources by providing a wide variety of public school service to county superintendents, city superintendents, principals, school officers, class room teachers and interested citizens. Through its public service facilities the institution will undertake to assist in any project or problem for which its services are requested.

Below are listed some of the services available through this avenue. The services listed under Judges, Advisory Service, Entertainments and Athletic Officials are, of course, limited to the maximum capacity of the institution's resources in these particulars.

JUDGES FOR

- a. Debates
- b. Orations
- c. Music contests
- d. School fairs
- e. Field days

ADVISORY SERVICE FOR

- a. Coaching and staging plays
- b. Coaching debates
- c. Library Organization
- d. School surveys (city or county)

- e. Testing programs
- f. Music shelves
- g. School building plans
- h. School ground landscaping

ENTERTAINMENTS

- a. Programs of readings by individuals
- b. Short plays by groups
- c. Male quartets
- d. String trio
- e. Ladies' chorus
- f. Concert orchestra
- g. Lecture song recital
- h. Song slide program
- i. Music appreciation, phonograph records

ATHLETIC OFFICIALS

- a. Baseball
- b. Football
- c. Basketball
- d. Tennis

PUBLICATIONS FOR DISTRIBUTION

The institution's public school service includes the distribution of a number of bulletins and a considerable amount of mimeographed material. All this material is free with postage prepaid except in cases where postage charges are mentioned. The majority of these bulletins and all of the mimeographed material are prepared for publication and for distribution by members of the faculty. All persons connected with school work are invited to write for any of the material listed below in which they may be interested.

BULLETINS AND MIMEOGRAPHED MATERIAL

Suggested Content, Source and Activities, for English, Arithmetic, and Geography, Grades I to VIII, 154 pages, by Anna A. Schnieb (Postage 8c.)

History of Education in Kentucky (book), 238 pages, published by the State Department of Education. (Postage 8c.)

List of Plays for Upper grades and Junior High Schools. (Postage 8c.)

Helps for One-Teacher Rural Schools, 54 pages.

SPECIAL LIBRARY SERVICES

The Library will be glad to furnish, upon request, book lists suitable for school libraries, rural, graded or high school. Any question concerning cataloging of books or equipment and material needed for organizing school libraries will receive prompt attention. Please state quite definitely your local needs and any limitations concerning funds or the assistance of a trained librarian.

ALUMNI ASSOCIATION

Membership in the Alumni Association is open to graduates of the two-year Standard Certificate course and the four-year degree course. After September 1929 only graduates of the four-year degree course will be eligible for membership. Full membership may be established by graduates who pay the regular membership fee and fill out the information blanks provided.

Privileges—The Extension Division is attempting to make the resources of the institution more extensively available to graduates wherever they may be and whatever may be their positions. To this end the members of the Alumni Association are especially invited to use the services offered by the Bureau of Appointments which is already functioning to the professional and financial advantage of many of Eastern's graduates. Privileges of membership in the Association include free subscription to the Eastern Progress which carries all the school news in addition to many other items of more general interest. Members are also entitled to receive various announcements, pamphlets and bulletins which are mailed out from time to time. Furthermore it is planned to publish annually an Alumni Directory in which all members will be represented.

Alumni Banquet—Annually during commencement week and on special occasions at other times the Alumni Association sponsors banquets which facilitate the renewing and the making of acquaintances.

Communications—Correspondence with the Alumni Association should be addressed to the Secretary of the Alumni Association, Eastern Kentucky State Teachers College, Richmond,

Kentucky. All graduates are invited to write for further information concerning the organization and the functions of the Association. Applications for membership will be given prompt attention.



EXTENSION DIVISION

CORRESPONDENCE DEPARTMENT

ENROLLMENT APPLICATION

Date

Approved by Director. Date

Approved by Registrar. Date

Enrolled by Date

*See page 16 of the Extension Bulletin and note particularly that all credit transcripts must be mailed direct to the Registrar by the high school principal and not by the student.



EXTENSION DIVISION
CORRESPONDENCE DEPARTMENT
ENROLLMENT APPLICATION

Date _____

Name in full _____ Address _____

Age _____ Resident of what county? _____

Parent or guardian _____ Address _____

*Have you attended Eastern? _____ When last enrolled? _____

Elementary schools attended _____

High schools attended _____ Units _____ When graduated _____

Colleges attended _____ Hours college work _____

Have you taught school? _____ If so, how long? _____

Present occupation _____ Married or single _____

Are you doing correspondence work with any other Institution? _____

How many courses are you carrying with other institutions? _____

How many hours have you already completed by correspondence and extension class work? _____

Are you in school now? _____

For what purpose do you intend to use this correspondence credit? _____

Have you ever done correspondence work with Eastern? _____ How many hours? _____

State definitely the courses wanted. (Give name and catalog number.)

1. (Course desired) _____

2. (Course desired) _____

Amount enclosed \$_____. (The fees for high school courses are \$10.50 for each one-half unit, and \$3.50 for each college hour, and in addition an enrollment fee of \$3.00 paid by each student only once.) **FEES MUST ACCOMPANY THIS APPLICATION.** Address all communications to Director of Extension, Eastern Kentucky State Teachers College, Richmond, Kentucky

(Signed) _____

Student

Don't Write Below This Line.

Approved by _____ Director. Date _____

Approved by _____ Registrar. Date _____

Enrolled by _____ Date _____

*See page 16 of the Extension Bulletin and note particularly that all credit transcripts must be mailed direct to the Registrar by the high school principal and not by the student.

УНИВЕРСИТЕТ ВАРШАВСКИ
КОМПЬЮТЕРНИ НАУКИ
EXTENSION DIVISION

COLLEGE BOOK STORE
EASTERN KENTUCKY STATE TEACHERS COLLEGE
Richmond, Kentucky
ORDER FOR BOOKS AND SUPPLIES

Gentlemen:
Please furnish me the following books, postage charges paid:

Note: Cash for amount shown must accompany this order; otherwise shipment will be delayed until payment is received.
Make check or money order payable to COLLEGE BOOK STORE. Do not include payments intended for the Book Store with fees for courses.

Signed

Address to which books
should be mailed

Date

ALL ORDERS FOR BOOKS IN STOCK ARE FILLED DAY RECEIVED

This order filled by..... Date

Eastern Kentucky State Teachers College Richmond, Kentucky

Member

Kentucky Association of Colleges
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools
Approved Library School

CATALOG, 1931-32



E A S T E R N K E N T U C K Y R E V I E W

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1931

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28
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							31													
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12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26
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1932

JANUARY							FEBRUARY							MARCH						
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17	18	19	20	21	22	23	21	22	23	24	25	26	27	20	21	22	23	24	25	26
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3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
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JULY							AUGUST							SEPTEMBER						
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3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
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31																				
OCTOBER							NOVEMBER							DECEMBER						
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2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31
30	31																			

1931—The College Calendar—1932

FIRST SEMESTER

September 18, 19	Friday, Saturday.....	Registration of Freshmen
September 21	Monday.....	Registration of Upper Classmen
September 21	Monday.....	Entrance examinations
September 22	Tuesday.....	Classes begin
September 28	Monday.....	Last day to register for full load
October 13	Tuesday.....	Last day to register for credit
November 27	Thursday.....	Thanksgiving (Holiday)
December 18	Friday, 4:00 P. M.....	Christmas vacation begins
January 4	Monday.....	Class work resumes
January 29	Friday.....	Semester closes

SECOND SEMESTER

February 1	Monday.....	Registration
February 1	Monday.....	Entrance examinations
February 2	Tuesday.....	Classes begin
February 8	Monday.....	Last day to register for full load
February 23	Tuesday.....	Last day to register for credit
April 4	Monday.....	Registration for Spring Term
April 4	Monday.....	Entrance examinations
April 5	Tuesday.....	Classes begin
April 6	Wednesday.....	Last day to register for full load
April 11	Monday.....	Last day to register for credit
May 29	Sunday.....	Baccalaureate Address (Commencement season begins)
June 1	Wednesday.....	Commencement
June 3	Friday.....	Semester closes

FIRST SUMMER TERM

June 6	Monday.....	Registration
June 6	Monday.....	Entrance examinations
June 7	Tuesday.....	Classes begin
June 8	Wednesday.....	Last day to register for full load
June 11	Saturday.....	Last day to register for credit
July 15	Friday.....	Term closes

SECOND SUMMER TERM

July 18	Monday.....	Registration
July 18	Monday.....	Entrance examinations
July 19	Tuesday.....	Classes begin
July 20	Wednesday.....	Last day to register for full load
July 23	Saturday.....	Last day to register for credit
August 26	Friday.....	Term closes

SCHOOL ORGANIZATION

BOARD OF REGENTS

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State Superintendent of Public Instruction, Ex-Officio Chairman

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Term Expires 1932

HON. C. F. WEAVER, Ashland, Kentucky

Term Expires 1932

HON. N. U. BOND, Berea, Kentucky

Term Expires 1934

HON. H. D. FITZPATRICK, Prestonsburg, Kentucky

Term Expires 1934

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HON. W. C. BELL, Ex-Officio

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President of Western Teachers College, Vice-President of the Council

H. L. DONOVAN

President of Eastern Teachers College

College Faculty

H. L. DONOVAN, A. B., M. A., Ph. D.

President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers.

KERNEY M. ADAMS, A. B., A. M.

Director of Extension

Diploma, Eastern Kentucky State Normal School; A. B., University of Kentucky; A. M., Cornell University; additional graduate work, Cornell University.

MARY L. ADAMS, B. S., M. A.

Critic, Home Economics

B. S., University of Kentucky; M. A., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University.

ISABEL BENNETT, A. B., B. S.

Assistant Librarian

A. B., University of Kentucky; B. S., in Library Science, Columbia University.

G. O. BRYANT, A. B., A. M.

Critic, Mathematics

Diploma, Western Kentucky State Normal School; A. B., A. M., University of Kentucky.

PEARL L. BUCHANAN, A. B., M. A.

English

A. B., Southwestern University; graduate student, University of Oklahoma and Northwestern University; M. A., George Peabody College for Teachers.

*****VIRGIL BURNS, A. B., M. A.**

Critic, Social Science

Diploma, Western Kentucky State Normal School; student, Bowling Green Business University; A. B., University of Kentucky; M. A., Teachers College, Columbia University.

MARY KING BURRIER, B. S., M. S.

Home Economics

Diploma, Hamilton College; B. S., M. S., University of Kentucky; graduate student, Columbia University.

C. E. CALDWELL, A. B., B. S., A. M.

Mathematics

A. B., Marietta College; B. S., National Normal University; A. M., Ohio State University; two years additional graduate work, Ohio State University.

***On leave of absence for one year.

- JANE CAMPBELL, B. Mus., A. B., A. M.** Music
B. Mus., Taylor University; A. B., Eastern Indiana State Normal School; graduate work, Eastern Indiana State Normal School; A. M., Columbia University; student, University of Paris.
- KATIE CARPENTER, A. B., A. M.** Principal, Rural Practice School
A. B., Eastern Kentucky State Teachers College; A. M., University of Kentucky.
- ASHBY B. CARTER, B. S.** Agriculture and Sanitary Science
Student, University of Richmond, University of Virginia and Virginia Mechanics Institute; B. S., George Peabody College for Teachers; graduate student, George Peabody College for Teachers, University of Kentucky, and Teachers College, Columbia University.
- MRS. EMMA YOUNG CASE, A. B., M. A.** Education
Student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; M. A., George Peabody College for Teachers.
- ROY B. CLARK, A. B., A. M., Ph. D.** English
Diploma, Nebraska State Normal School; A. B., University of Nebraska; A. M., Ph. D., Columbia University.
- MEREDITH J. COX, B. S., M. A.** Chemistry
Diploma, Warren Academy; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, Columbia University, University of Wisconsin, and Duke University.
- NOEL B. CUFF, B. S., A. M., Ph. D.** Psychology
B. S., A. M., Ph. D., George Peabody College for Teachers.
- CLARA A. DAVIES, B. S.** Library Science
B. S., Kansas State Teachers College; graduate student, Library Science, Columbia University and University of Chicago.
- N. G. DENISTON, B. S.** Industrial Arts
B. S., Valparaiso University; student, Stout Institute, Massachusetts Institute of Technology, and Bradley Polytechnic Institute; graduate student, University of Chicago.
- RUTH DIX, B. S., M. A.** Home Economics
Student, Bradley Polytechnic Institute and University of Illinois; B. S., Bradley Polytechnic Institute; M. A., Teachers College, Columbia University.
- J. T. DORRIS, A. B., A. M., Ph. D.** History and Government
A. B., Illinois College; A. M., University of Wisconsin; Ph. D., University of Illinois.

8 EASTERN KENTUCKY STATE TEACHERS COLLEGE

RICHARD A. EDWARDS, A. B., A. M. Director of Training School
A. B., University of Kentucky; A. M., Columbia University.

FRED A. ENGLE, A. B., A. M. Mathematics
Student, Cumberland College; A. B., A. M., University of Kentucky; one year additional graduate work, University of Kentucky.

JACOB D. FARRIS, A. M., M. D. College Physician and Teacher of Health
Diploma, Western Kentucky State Normal School and Teachers College; student, University of Chicago; A. M., George Peabody College for Teachers; M. D., Vanderbilt University.

D. THOMAS FERRELL, A. B., M. A. Education
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***Mary Floyd, A. B., M. A.** Acting Librarian and History
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University; graduate student, University of Chicago.

EDITH G. FORD, B. C. S., A. B., A. M. Commerce
Diploma, Louisiana State Normal College; B. C. S., Bowling Green Business University; A. B., George Washington University; A. M., University of Kentucky; student, University of Paris.

MAUDE GIBSON Art
Graduate, Lebanon Normal; two years' course in public school art, Teachers College, Miami University; student, New York School of Applied Design and Teachers College, Columbia University.

***ANNA D. GILL, B. C. S., A. B.** Commerce
B. C. S., Bowling Green Business University; student, Chicago Gregg School and Western Kentucky State Teachers College; A. B., University of Kentucky; graduate student, University of Kentucky.

P. M. GRISE, A. B., M. A. Critic, Model High School
A. B., Western Kentucky State Teachers College; M. A., George Peabody College for Teachers.

G. M. GUMBERT, B. S., A. M. Agriculture
B. S., A. M., University of Kentucky.

*On leave of absence for one semester.

MAY C. HANSEN, B. S., M. A.

Education

Diploma, Oshkosh State Teachers College; student, University of Chicago and Columbia University; B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.

ELIZA HANSON, A. B., M. A.

Critic, Sixth Grade

Diploma, Eastern Kentucky State Teachers College; A. B., University of Kentucky; M. A., George Peabody College for Teachers; graduate student, University of Colorado and University of Kentucky.

GEORGE N. HEMBREE, B. C. S., A. B.

Physical Education

Student, Eastern Kentucky State Teachers College, University of Illinois, and George Peabody College for Teachers; B. C. S., Bowling Green Business University; A. B., University of Kentucky.

THOMAS C. HERNDON, B. S., M. A., Ph. D.

Chemistry

B. S., University of Kentucky; graduate student, University of Chicago; M. A., Ph. D., George Peabody College for Teachers.

GERTRUDE M. HOOD, A. B., A. M.

Physical Education

A. B., Ohio Wesleyan University; A. M., Columbia University.

CHARLES T. HUGHES, A. B.

Coach

Diploma, Morton-Elliott Junior College; A. B., University of Kentucky.

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Diploma, New Haven Normal School of Gymnastics; student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; A. M., Columbia University.

HELEN HULL, B. Mus.

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Diploma in Music, Ohio State Teachers College; B. Mus., University of Michigan.

MRS. STANTON B. HUME

Industrial Arts

Graduate, Bellwood Seminary and Kentucky Presbyterian Normal School.

ARNIM DEAN HUMMELL, B. S., M. S., Ph. D.

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B. S., Knox College; M. S., Ph. D., University of Illinois.

WILLIAM C. JONES, B. S., A. M. Education and Director of Research

B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; two years additional graduate work, George Peabody College for Teachers.

WILLIAM L. KEENE, B. S., M. A. English

Diploma, Middle Tennessee State Normal School; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, George Peabody College for Teachers.

CHAS. A. KEITH, B. A., M. A., Ped. D. History and Dean of Men

Student, University of Arkansas and University of Texas; B. A., M. A., Oxford University; Honorary Doctor of Pedogogy, Ohio Northern University; one year and two summer terms' additional graduate work, Indiana University.

L. G. KENNAMER, A. B., B. S., M. A., Ph. D. Geography and Geology

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HARRIETTE V. KRICK, A. B., Ph. D.

Biology

A. B., Hiram College; Ph. D., University of Chicago.

CORA LEE, B. S., M. A.

Critic, Model High School

B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.

MARGARET LINGENFELSER, A. B., M. A.

Critic, First Grade

A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University.

MELVIN E. MATTOX, B. S., M. A.

Education and Registrar

Diploma, Mississippi State Normal School; B. S., M. A., George Peabody College for Teachers; one year additional graduate work, George Peabody College for Teachers.

THOMAS E. McDONOUGH, B. S., M. A. Physical Education and Health

Diploma, La Crosse Teachers College; student, Columbia University; B. S., M. A., George Peabody College for Teachers.

MARY FRANCES McKINNEY, B. S., M. A.

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Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.

WILLIAM J. MOORE, A. B., A. M.

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*****MRS. JANET MURBACH, A. B., A. M.**

French

A. B., Oberlin College; student, University of Paris and University of California; A. M., University of Kentucky.

***On leave of absence for one year.

SMITH PARK, B. S., M. S., Ph. D. Mathematics
 B. S., M. S., Ph. D., University of Kentucky.

MABEL H. POLLITT, A. B., A. M. Latin
 A. B., A. M., University of Kentucky; additional graduate work in
 American Academies of Rome and Athens.

ALFRED E. PORTWOOD, A. B. Assistant Coach
 A. B., University of Kentucky.

ELLEN PUGH, A. B., A. M. Critic, Fifth Grade
 A. B., Ohio Wesleyan University; A. M., Ohio State University;
 two quarters additional graduate work, Ohio State University.

NANCY RICHARDSON, A. B. Assistant Librarian
 A. B., North Carolina College for Women; graduate student,
 George Peabody College for Teachers.

R. R. RICHARDS, A. B. Commerce
 Student, University of Kentucky; A. B., Eastern Kentucky State
 Teachers College.

MARIE L. ROBERTS Dean of Women
 Graduate, Ohio Western College for Women; student, Columbia
 University and George Peabody College for Teachers.

DEAN W. RUMBOLD, B. S., Ph. D. Biology
 B. S., University of Buffalo; student, University of Wisconsin;
 Ph. D., Duke University.

RUBY RUSH, A. B., A. M. Critic, Model High School
 Graduate, Virginia Intermont College; A. B., University of Ken-
 tucky; A. M., Columbia University.

ANNA A. SCHNIEB, A. B., A. M., Ph. D. Education
 Diploma, Indiana State Teachers College; student, Indiana Uni-
 versity; A. B., A. M., Columbia University; two years' additional
 graduate work, Columbia University and University of Chicago; Ph.
 D., University of Vienna.

EVELYN SLATER, B. S. Home Economics
 B. S., University of Kentucky; graduate student, University of
 Kentucky.

G. D. SMITH, A. B., B. S., M. S., D. Sc. Nature Study
 A. B., Ohio Northern University; B. S., Ohio Wesleyan University;
 M. S., D. Sc., Ohio Northern University.

12 EASTERN KENTUCKY STATE TEACHERS COLLEGE

VIRGINIA F. STORY, B. S., M. A.

Critic, Second Grade

Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.

BROWN E. TELFORD

Piano

Diploma, Greenbrier College for Women; student, Cincinnati Conservatory of Music, New York School of Music and Arts, New England Conservatory of Music, and Columbia University.

MRS. MAURINE BRONSON TODD, B. Mus.

Music

Student, Carleton College; B. Mus., Northwestern University Conservatory of Music; private instruction under Alta Miller, Mark Wessel, Carl Beecher, Oscar Saenger, Madam Yvonne Caurso, and Herbert Witherspoon.

MRS. GLADYS PERRY TYNG, B. S., M. A.

Education

Diploma, Eastern Kentucky State Normal School and Teachers College; B. S., George Peabody College for Teachers; graduate student, George Peabody College for Teachers; M. A., Teachers College, Columbia University.

JAMES E. VAN PEURSEM, A. B., B. Mus.

Music

A. B., Morningside College; B. Mus., Oberlin College.

SAMUEL WALKER, A. B., A. M.

Principal, Model High School

A. B., Maryville College; A. M., University of Kentucky.

MRS. LUCILLE WHITEHEAD, B. S.

Assistant Librarian

B. S., George Peabody College for Teachers; one year graduate work in Library Science, George Peabody College for Teachers.

ELIZABETH WILSON, B. S., M. A.

Critic, Third Grade

Diploma, Martin College; B. S., M. A., George Peabody College for Teachers.

GERMANIA J. WINGO, B. S., M. A.

Critic, Fourth Grade

Diploma, Virginia State Normal School; B. S., M. A., Teachers College, Columbia University.

EDNA ZELLHOEFER, A. B., A. M.

English

Graduate, Illinois State Normal University; A. B., University of Illinois; A. M., Columbia University; student, England and Scotland.

H. H. BROCK, B. S.

Correspondence Department

L. G. WESLEY, A. B.

Correspondence Department

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

E. P. McCONNELL, Bookkeeper

KATHERINE MORGAN, Secretary to the President

HELEN W. PERRY, Secretary to Business Agent

KERNEY ADAMS, Director of Extension

MAYE M. WALTZ, Secretary to Registrar

INEZ McKINLEY, Assistant Bookkeeper

AUGUSTA DAUGHERTY, Cashier

FRANKIE DEBOE, Stenographer, Business Office

ELIZABETH DUNIGAN, Secretary to Registrar

LUCILLE DERRICK, Secretary to Director of Research

MAYME COOPER, Assistant to Director of Extension

LOIS COLLY, Stenographer, Extension Division

EUNICE WINGO, Secretary to Dean of Women and Supervisor of
Sullivan Hall

FRED BALLOU, Book Store Clerk

RUBY SEARS, Stenographer, Registrar's Office

MARY SULLIVAN, Housekeeper, Sullivan Hall

MRS. T. J. COATES, Housekeeper and House Mother, Burnam Hall

W. A. AULT, Superintendent Power Plant, Buildings, and Grounds

EDNA WHITE, Registered Nurse

EDITH L. McILVAIN, Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

MRS. BESSIE GRIGGS, Information Clerk

Faculty Organization

COMMITTEES

Alumni and Senior Class

**Adams, Carpenter, Case, Floyd, Lingenfelter, McKinney, Moore, Park,
Richards, Story, Tyng**

Meets first Tuesday of each month at 4:10 p. m.

Certification and Graduation

Kenamer, Caldwell, Farris, Hummell, Jones, Mattox, Pollitt, Roberts

Meets on call of the chairman

Student Schedules

COLLEGE

Keith, and others as assigned

MODEL HIGH SCHOOL

Walker, and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Pollitt

Meets on first Monday each semester, mid-semester, and each
summer term at 4:10 p. m.

Entrance Examinations

Moore, Bryant, Burns, Gill, Jones, McKinney, Mattox, Zellhoefer

Meets on call of chairman

Fine Arts and Entertainment

**Murbach, Buchanan, Caldwell, Campbell, Farris, Hull, Kenamer,
Telford, Todd, Tyng, Van Peursem**

Meets on the first Wednesday of each month at 4:10 p. m.

Library Committee

**Floyd, Caldwell, Clark, Cox, Edwards, Jones, Keith, Kenamer,
McDonough, Pollitt, Rumbold, Walker**

Meets on the first Tuesday of each month at 4:10 p. m.

The Training School

Edwards, the critic teachers, and the teachers of Education
Meets on call of the chairman

Athletics

Carter, Edwards, Farris, Gumbert, Hood, Hughes, C. T., Hughes, Eliza,
Keith, McDonough
Meets on the second Friday of each month at 4:10 p. m.

Societies, Clubs, and Forensics

Clark, Dix, Dorris, Ferrell, Ford, Richards, Zellhoefer
Meets on second Tuesday of each month at 4:10 p. m.

Student Publications—Milestone and Progress

Rumbold, Cuff, Deniston, Gibson, Keene, Richards
Meets on second Wednesday of each month at 4:10 p. m.

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb
Meets on second Thursday of each month at 4:10 p. m.

Curriculum Committee

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Mattox, Moore, Tyng
Meets on third Friday of each month at 4:10 p. m.

Student Welfare, Discipline and Grievances

Donovan, Farris, Jones, Keith, Pollitt, Roberts
Meets on call of the chairman

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Pollitt
Meets on call of the chairman

Socials and Receptions

Hughes, Burrier, Carter, Farris, Ford, McDonough, McKinney, Pollitt,
Richards; ex-officio Keith, Roberts
Meets on call of the chairman

Extension Committee

Adams, Dorris, Engle, Hembree, Jones, Smith

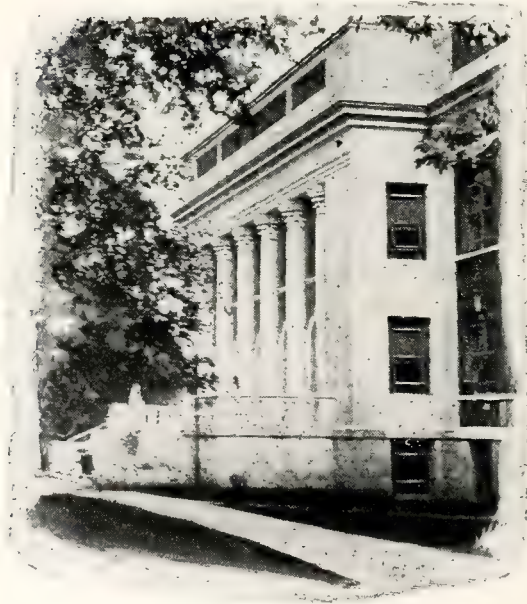
Meets on the fourth Tuesday of each month at 4:10 p. m.

Student Loans, Scholarships and Fellowships

Cox, Brock, G. M., Cuff, Keith, McDonough, Portwood, Roberts, Schnieb

Meets on call of the chairman

Note: A special meeting of any committee will be called by its chairman on the written request of three of the members of such committee. The President is ex-officio member of all committees.



COATES ADMINISTRATION BUILDING

GENERAL INFORMATION

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison county, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beckham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September

1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

TWENTY-FIFTH ANNIVERSARY CELEBRATION

March 21, 1931 marked the twenty-fifth anniversary of the establishment of the Eastern Kentucky State Teachers College. In accordance with a resolution recently adopted by the Board of Regents of the College, this event is to be celebrated this year by appropriate exercises and programs commemorating twenty-five years of teacher training at Eastern. As this catalog goes to press the program for this celebration has not been completed. Tentative plans provide for a series of addresses, programs and pageants designed to portray the history of the institution and of Kentucky for the period.

LOCATION

The home of the Eastern Kentucky State Teachers College is a city of about 8,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west. Richmond is a city of Christian homes and contains churches of all the leading denominations. It is not so large that it will lose sight of the school in a multiplicity of other interests, and yet is large enough to afford the essential material conveniences for the care of the institution.

Richmond is on the border line between the blue grass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University, the famous Presbyterian institution which was removed to Danville and united with Centre College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of blue grass turf, thickly set with fine maple and other trees. Our present buildings include:

University Building—This building was erected by Old Central University in 1874. The model senior high school now occupies this building. Before the beginning of the 1931-32 school year the building is to be remodeled throughout. Extensive improvements are to be made to modernize the interior of the building. The exterior will remain intact except for such repairs as may be necessary.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This handsome building is named in honor of the first president. It was erected in 1909, at a cost of \$45,000. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and classrooms.

James W. Cammack Building—It was constructed in 1918 at a cost of \$50,000 and was recently remodeled and refurnished at an additional cost of \$15,000. The building was designed and is used entirely for the elementary grades. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story fire proof structure and is used exclusively for library purposes. The building contains approximately 33,000 volumes, a large picture collection, and several thousand pamphlets. A room is set apart and is used to house the John Wilson Townsend collection of Kentucky books. Many valuable additions have been made to this collection recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as a laboratory for college students who are enrolled for courses in Library Science.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 175 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building is a beautiful and imposing dormitory for women recently constructed at a cost of \$233,067.01. It is a fire proof structure. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for entertainments of clubs and societies. There is also a large recreation room for women students. A well equipped laundry is provided for the use of students.

The Thomas Jackson Coates Administration Building—This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen classrooms, the college book store and college post office. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and classrooms.

Weaver Health Building—The new Weaver Health Building named in honor of Hon. Charles F. Weaver of Ashland, Kentucky, a member of the Board of Regents, was opened for class work at the beginning of the spring term, 1931. It is one of the largest and best equipped buildings on the campus. It is a three story structure of brick, steel, and concrete and is 100 feet by 220 feet. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 feet by 40 feet. All necessary apparatus for physical education has been installed in the building. The locker rooms located on the ground floor contain 1,065 steel lockers for the use of students. A feature of the building is an official size tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. The building contains classrooms and laboratories for the departments of physical education and health, the office of the college physician, and offices for the physical education staff.

The Power Plant—The Power Plant erected in 1909 contains all the necessary equipment, including boilers and pumps, for heating all the buildings on the campus. The electric generating equipment consists of two 50 KW 2300 volt AC generators. Recently a new 300 horse power boiler with necessary mechanical stoker and forced draft equipment was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large and beautiful brick dwelling situated on the farm. It is used for Home Management work in connection with the Smith-Hughes course in Home Economics. It has been furnished and equipped for this work. It is modern in every respect.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without loss of time in moving from the classroom to the farm. The activities of the farm are those which are usually found in this part of the State. There is a dairy herd composed of purebred Jerseys and Holsteins. These cows furnish milk for the cafeteria.

Purebred Duroc hogs are raised and a colony of purebred poultry is being bred.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm at a cost of \$10,000.

This farm is owned and operated for the following purposes:

1. To be used by the Department of Agriculture for laboratory and demonstration purposes.
2. To give a limited number of students attending the institution work to help pay expenses.
3. To furnish the dormitories with milk, eggs, meat, and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses and to pay gradually for needed improvements.

Rooms and Board For Students

1. ROOMS

Rooms For Men Students—Memorial Hall is the men's dormitory. This dormitory will accommodate approximately 175 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. This building was recently decorated throughout.

Most rooms accommodate two students, a few three students.

The institution maintains at all times a list of Richmond homes offering rooms for men students. Information concerning these rooms will be furnished on request.

Rooms for Women Students—Burnam Hall and Sullivan Hall are the women's dormitories. These dormitories will accommodate 478 women students. Practically all rooms in these dormitories are two-student rooms, but there are a few corner rooms to which three students are assigned. Rooms in Sullivan Hall and Burnam Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. All rooms in New Burnam Hall have private baths for each suite of two rooms.

Young women are expected to room on the campus when attendance does not exceed the capacity of the dormitories, unless for special reason they are granted permission by the President to room elsewhere.

Care of Rooms in Dormitories—Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions, therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms. A committee of the faculty will visit dormitory rooms at regular intervals and if lights are found on when students are absent from their rooms, a charge of 25c will be made for each offense.

Articles to be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow-cases, three sheets, spreads and comforters or blankets, towels, soap, and runners for table and dresser.

How to Apply for a Room Reservation in the Dormitories—Students wishing to engage rooms either in the dormitories or in town should write the Business Agent for "Appli-

cation for Admission Card," which should be filled out and returned promptly. These applications are filed in the order of their dates and in that order dormitory assignments are issued.

When the student receives a dormitory assignment a fee of \$5.00 should be mailed to the Business Agent within ten days to make the reservation permanent. The \$5.00 reservation fee includes the \$3.00 room deposit which is required of all occupants of dormitory rooms as a guarantee of the proper care of room and furnishings. (See information concerning Room Deposit.) The remaining \$2.00 of the reservation fee is applied toward the payment of room rent when the student registers and is deducted from the amount due for rent.

Do not send a reservation fee until you have received a dormitory assignment.

Assignments to dormitories are made by the Business Agent. Assignments to definite rooms are made by the Dean of Women or the Dean of Men, as the case may be, on or before the student's entrance.

The holder of a reservation may receive the refund of the fee by request in writing not later than ten days before the opening of the semester for which reservation is made.

Room reservations are void if not claimed by 12:00 o'clock midnight of Monday of the opening of the term and the fee is forfeited. Room reservations are not transferable.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bath rooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water.

The rate of rent in Sullivan Hall is \$1.25 to \$1.50 a week, and in Burnam Hall \$1.50 to \$2.50 a week for each student. The \$2.50 rooms are on the front side of New Burnam, most other rooms in New Burnam are \$2.00 a week. The rate of rent in Memorial Hall is \$1.50 to \$2.00 a week for each student. The \$2.00 rooms are choice corner rooms.

In making application for rooms, students should indicate the price of room preferred.

Room Deposit of \$3.00—A deposit of \$3.00 is required for each occupant of dormitory rooms to guarantee the proper care of room and furnishings. The whole, or such part of this fee as may be due after deduction for damage is made, will be refunded to the student upon termination of his stay in school when deposit receipt is approved for refund by the Dean of Women or the Dean of Men as the case may be. The \$3.00 room deposit is included in the \$5.00 room reservation fee which is paid by the student when room is reserved.

The \$3.00 deposit is forfeited to the college unless claimed by the student by October 1 following the school year in which the room deposit was paid.

Rules Concerning Women Students Residing in Private Homes—During those terms when the attendance exceeds the capacity of the dormitories the school maintains a list of private homes which agree to take student roomers under conditions and rates accepted by landladies and the school. All young girls, except those whose homes are in Madison County, are required to room in one of the homes listed.

Students should not engage rooms or board before ascertaining from the school that the landlady's name is on the list. The fact that students have roomed or boarded at a home during some previous year is not necessarily a guarantee that the home is at present on the list. Women students desiring to room with relatives or friends should notify the Dean of Women of such intention as early as possible before coming to secure the school's approval if it can be given.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the school.

Rooms for Married Couples and Families—Among the Richmond homes offering rooms to students many have facilities for light housekeeping, and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with

the institution in advance of their entrance that the best possible arrangements may be made.

2. BOARD

Board is provided in the beautiful new cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office at all times and may be purchased as needed. The average cost of board is about \$4.50 a week.

Men and women students occupying rooms on the campus are **positively required** to take their meals at the college cafeteria. They are expected to pay for seven cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for four coupon books in advance at the beginning of each six-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$33.00 for which the student will receive seven coupon books good for \$35.00 in board. A payment of \$19.00 will be required in advance at the opening of each six-week summer term for which the student will receive four coupon books good for \$20.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

EXPENSES

Incidental Fee—Each student pays an incidental fee of \$5.00 each semester at the time of registration and \$2.50 for each summer term. This fee is paid by all students and is not refunded. It entitles the student to:

1. Admission to the regular numbers of the Lectures and Fine Arts Course.
2. Subscription to the Eastern Progress.
3. Library service.
4. Health service.

Tuition—No tuition is charged residents of Kentucky. Non-residents of Kentucky are charged the following rates:

For any one semester	\$27.00
For the twelve-week summer school	18.00

Necessary Expenses at Eastern for One Semester—18 Weeks

Incidental fee	\$5.00
Room rent in dormitories	\$22.50 to 45.00
Board, approximately	85.50
College Post Office box rent.....	.50

Total expenses\$113.50 to \$136.00

The following expenses are payable in advance for the semester:

Incidental fee	\$5.00
Room rent in the dormitories	\$18.00 to 45.00
Board in the college cafeteria.....	33.00
College Post Office box rent.....	.50

Total to be paid in advance on entrance....\$56.50 to \$83.50 .

Cost of Books—The cost of books and supplies for the semester may be estimated at from \$10.00 to \$20.00.

Necessary Expenses for a Six-week Summer Term

Board—six weeks @ \$4.75	\$28.50
Room rent—in the dormitories for six weeks.....	\$7.50 to 15.00
Incidental fee	2.50
Books and supplies (average).....	10.00
College Post Office box rent.....	.50

Total expenses\$49.00 to \$56.50

SPECIAL FEES PER SEMESTER

The following special fees are collected for the purpose of covering the cost of supplies and materials used by the student in laboratory work:

Biology 231, 232	\$2.00
Biology 121, 241, 242, 244, 381.....	4.00
Chemistry 211, 212, 213, 214, 215, 216, 311, 312, 313, 314, 315.....	5.00
Commercial Education 151, 152	2.00
Education 321	1.75
Geography 101, 374	1.00
Geography 201, 202, 205	3.00
Health 303, 304	4.00
Home Economics 103, 110	1.00
Home Economics 111, 210, 301, 315, 316.....	2.00
Home Economics 101, 102	6.00
Home Economics 201	9.00
Industrial Arts 299	2.00
Industrial Arts 121, 201, 242, 244, 245, 249, 281, 231, 233, 237, 292, 294	4.00
Industrial Arts 165, 166	5.00
Industrial Arts 141, 191	6.00
Music, individual instruction, (piano, voice, violin, cello):	
Two half-hour lessons per week	27.00
One half-hour lesson per week	18.00
Practice room, with piano, one hour daily	5.00
Physical Education 110, 111, 112, 113, 114, 115, 210, 211, 212, 213, 215 .....	.50
Physics 101	1.00
Physics 201, 202, 301	2.00

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan will be given free laundry service for towel and bathing suit for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of rental will be refunded.

Fee for Late Registration—Students who enroll after the first two days of a semester or term are required to pay an additional fee of \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Therefore, students are advised to give careful study to the program of classes and the requirements to be

met before having class schedule approved. If the change in schedule is requested by the Registrar, the student will not be required to pay the fee.

STUDENT LOAN FUND

The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow a small sum at a legal rate of interest on a personal note. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses, such as board or room rent, by doing various kinds of work for the college, such as working in the cafeteria, book store, campus post office, dormitories, information offices, on the school farm, etc. Some students may also find opportunity for employment clerking in Richmond stores and working in restaurants, etc., on Saturdays.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all of their expenses for at least one semester.

THE TRAINING SCHOOL

Function—The function of the Training School is two-fold: first, it trains college students in the theory and art of teaching, second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It pro-

vides opportunities for directed observation by college classes in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the State in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions: the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades located on the college farm near the campus. The length of the school year is nine months. A summer term of six weeks is offered in the elementary school and in the high school, but the rural school is not in session during this period.

Enrollment Fees—Each pupil pays a fee of \$2.00 per semester or \$4.00 per year for the privilege of attending the elementary grades. Each pupil attending the high school pays a fee of \$5.00 per semester or \$10.00 per year.

Elementary School—This division of the Training School is composed of grades one to six, inclusive. This school is located in Cammack Building, which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Walters Collegiate Institute, was reorganized in the fall of 1930 after a lapse of eight years. This school is located in the University Building, which has recently been completely remodeled and especially equipped for high school use. It has a principal and seven full time teachers. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The same high standard of scholarship which characterized the work of the old Model High School is maintained in the new. Scholarship, personal honesty, and courteous conduct are

characteristics which permeate the spirit of the school. The school is fully accredited, and its graduates are prepared for college entrance.

Students residing outside the city of Richmond and whose homes are located more conveniently to this school than to a county high school will have their tuition paid by the County Board of Education. All others who may wish to enter the high school should make application for entrance to the Principal of the Model High School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted a transcript of their school record, signed by their principal or superintendent, should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete in every respect. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach, and after he has shown evidence of preparation for the work. Under the supervision and help of the training teacher he develops skills, techniques, and controls, which are considered essential to good classroom procedure. Before he is accepted for the work the applicant must have satisfactorily met certain prerequisites, including the completion of a course in Education 261, 262, 263, or 264 and he must have mastered sufficient subject-matter courses in the opinion of his advisor to enable him to do creditable teaching.

There are six training teachers in the elementary school. Those who are studying in the "Early Elementary School" curriculum or in the "Intermediate School" curriculum will be expected to do student teaching in the elementary grades of their choice, as near as can be given them.

The work in the junior and senior high school grades is departmentalized. Student teaching in the high school is done

in the student's major or first minor subject according to the recommendation of his advisor.

Students majoring in the "Rural School" curriculum may do part of their practice work in the one-teacher Rural School and the remainder of it in the campus Training School.

Because of increased demands usually made upon the Training school during the spring and summer terms the following policy will be adhered to in the future:

Student teaching will be offered during the first semester to all students who are prepared for it and who must take it as part of the requirement for the "Standard Certificate" or for a degree expected at the end of the school year.

During the second semester student teaching will be open to those who have met the prerequisites before mentioned, and who were either not in attendance during the first semester or who had not passed the course in Education 261, 262, 263, or 264 at that time.

In the first summer term it will be offered only to a limited number who have been unable to attend either of the two preceding semesters who are prepared to take it and who must have the work to meet the requirement for the "Standard Certificate" or a degree at the August commencement. Reservations should be made before the opening of the summer term.

CHAPEL PROGRAMS

The College provides chapel programs on Monday, Wednesday, and Friday of each week and the third period (9:30 to 10:20) is assigned to these programs. These programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed.

Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the city. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devotional meeting. These organizations are doing a great work in the school and new students should join them and become active workers. Vespers will be conducted on the campus each Sunday evening during the Summer School for the entire summer.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone—It is the college annual published each year by representatives of the Senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various department editors, such as art, literary, photographic, advertising, society, and joke.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official bi-monthly review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. Farris, College Physician, and students have the privilege of consulting Dr. Farris for medical advice and attention at all times. Students are given immunizations for various contagious diseases. In the main there is no extra charge for this service. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical examinations are given to those students who desire them. All students whether living in the dormitories or off the campus are entitled to free advice and service of the health department. A full time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is located in the Weaver Health Building and is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Intercollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. This committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association and all

athletic contests are governed by the eligibility rules of that body. Representative teams are developed in football, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming. A new football field has recently been completed near the Weaver Health Building and a track has been constructed.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activity, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, La Crosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intramural programs are the vogue throughout the school year. During the summer terms, this activity program is offered in the evening. At this time the twilight baseball leagues hold forth. All students, men and women, are encouraged to affiliate with a group and play during their leisure time.

Eastern is well equipped with gymnasiums, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the College and the Training School. **Only those officially connected with the Institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. If you expect to use the pool, see the COLLEGE PHYSICIAN

and arrange to take a complete physical examination. Regulation cotton bathing suits are required and admission is strictly according to schedule.

ADMISSION REQUIREMENTS

An applicant for admission to the freshman class in Eastern Kentucky State Teachers College must offer a minimum of fifteen units so chosen to include the basic units. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basic Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	½	-1	Education (including	
Foreign Languages			Psychology)	½-1
French	1	-3	Sciences	
German	1	-3	Biology	½-1
Latin	1	-4	Botany	½-1
Spanish	1	-3	Chemistry	½-1
Mathematics			General Science	½-1
Advanced Arithmetic..	½	-1	Geology	½-1
Advanced Algebra	1		Physics	½-1
Solid Geometry	½		Physical Geography ..	½-1
Trigonometry	½		Physiol. and Hygiene	½-1½
History and Civics			Sociology	½
History	1	-4	Zoology	½-1
Civics	½	-1		
Political Economy	½			

GROUP B

(Only four units may be offered in this group)

Agriculture	½-4	Home Economics	½-4
Bookkeeping	½-1	Shop Work	½-2
Commercial Law	½	Music	½-1
Commercial Geography..	½	Stenography	½-1
Drawing—Freehand	½-2	Surveying	½
Drawing—Mechanical ..	½-2	Salesmanship	½

The minimum amount of credit allowed in any subject will be one-half unit.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points Per Semester	Hour
A	Excellent		3
B	Good		2
C	Average		1
D	Poor		0
F	Failure		0
I	Incomplete		
Z	Conditioned		

The grades A, B, C, D, and F cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. The mark of "I" means that the student has not completed the work of the course, due to illness, or some other cause and may be changed by the instructor when the work has been completed. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the pupil to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

THE STUDENT LOAD

In the teachers college in a semester the usual load is sixteen semester hours; the maximum is eighteen semester hours, and the minimum for a full time student is twelve hours. In a summer term of six weeks the usual load is six semester hours, the maximum is seven, and the maximum for two summer terms in the same year is fourteen semester hours. The student who has average ability to carry work and is in normal health should register for a normal load. The very superior student with normal health may, with a good record already established, carry the maximum load. The student with ability below average, or in poor health, should register for less than the usual load. In addition to the load mentioned above freshmen and sophomores are required to take recreation.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points; and for a summer term: four semester hours credit and four grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except that in case of a freshman with a smaller amount of credit than sixteen semester hours at the time of registration for the semester or the summer term in which the failure is made. Such freshman may be registered for such load as the Registrar may assign provided that the load shall not be less than $8\frac{1}{2}$ semester hours nor more than $18\frac{1}{2}$ semester hours in a semester; and not less than $3\frac{1}{4}$ semester hours nor more than $6\frac{1}{4}$ semester hours in a summer term of six weeks. In each such case of reregistration a specific authorization of load shall be entered on record by the Registrar. The regular or routine approval of the program is not sufficient. The student is held responsible for getting the Registrar's specific authorization.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the reregistration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester or summer term.

(c) The committee at its discretion may permit by waiver the reregistration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without seeing the

President appears in the records as being suspended and may not register again unless the President sees fit to reinstate him.

REQUIREMENTS FOR COLLEGE ELEMENTARY CERTIFICATE

Candidates for the College Elementary Certificate must have completed the work outlined below. Students who are not planning to take the College Elementary Certificate at the close of the first semester of residence should elect one of the outlined curricula in the bulletin entitled **Experimental Curricula**.

The following three courses are required of every applicant:

English	3 hours
Education	3 hours
Arithmetic (Teacher's Arithmetic)	2-3 hours

Three hours must be selected from the following:

Geography	3 hours
American History	3 hours
Agriculture	3 hours
Music	1 hour
Spoken English	2 hours
Reading in Elementary Schools	2 hours

The remaining courses are to be elected by the student.

REQUIREMENTS FOR STANDARD CERTIFICATE

The Standard Certificate is issued upon the completion of a minimum of sixty-four semester hours of prescribed and elective work, forty-eight of which must be earned in residence, at least thirty-two semester hours of which must be earned in residence in the State Teachers College issuing the certificate. The minimum departmental requirements for the Standard Certificate are as follows:

	Hours
Agriculture	2
Art	1
Education	12
English	9
Geography	3
Health	2
Mathematics	2
Music	1
Physical Education	1
Science	6
Social Science	6

“This certificate shall be reissued or renewed, upon application within eight years after date of issue, for life after three years of successful teaching; credit for two years of prescribed and elective standard college work or any part thereof, may be accepted in lieu of the same length of time of successful teaching experience. The holder of this certificate may have the same reissued or renewed, after expiration, by a Board of Regents of a State Teachers College upon completion of at least sixteen additional semester hours of prescribed and elective standard college work, at least twelve hours of which must be earned in residence in the State Teachers College reissuing or renewing same.”

REQUIREMENTS FOR DEGREE AND COLLEGE CERTIFICATE

Residence: The candidate for a degree must have completed a minimum of thirty-six weeks in residence and have earned a minimum of thirty-two semester hours in residence, at least eighteen weeks of which must have been in senior year.

MINIMUM DEPARTMENTAL REQUIREMENTS

Prescribed by the Normal Executive Council

Education	18 hours
English	12 hours
Social Science	12 hours
Science	12 hours
Mathematics	7 hours
Total	61 hours

MAJOR AND MINOR REQUIREMENTS

Prescribed by the Normal Executive Council:

Major: Minimum 24

First minor: Minimum 18

Second minor: Minimum 12

The college will exercise the right of requiring that the work in major and minor fields be unified, coherent, and reasonably near to complete. In the case of majors or minors regarded as faulty the student will be required to do supplementary work even though that requirement may demand a greater amount of credit than is usually offered by the candidate for a degree.

SELECTION OF MAJOR AND MINOR SUBJECTS

Each candidate for a degree must file with the Registrar his elections of Major and Minors. Any change in Major or Minors must bear the endorsement of the Registrar.

The final selection of Major and Minors must be made not later than the first semester of the junior year of college studentship and may not be changed later than one semester before graduation.

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. It is necessary to remember that adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all teachers must teach two or more different subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

Major	Suggested Minors
Agriculture.....	Chemistry, Physics, Physical Education
Art.....	Music, English, Foreign Languages
Biology.....	Chemistry, Physics, Mathematics
Chemistry.....	Physics, Mathematics, Biology
Commerce.....	Geography, Mathematics
Education:	
(a) Elementary.....	Music, Art, English, Geography, Social Science
(b) Intermediate.....	Music, Art, Geography, English, Social Science
(c) Rural.....	Music, Art, Geography, English, Social Science
English.....	Foreign Languages, Social Science, Geography, Library Science
Foreign Languages.....	English, Social Science Geography
Geography and Geology....	Social Science, Biology, Agriculture
Health.....	Chemistry, Biology
Home Economics.....	Chemistry, Biology, English
Industrial Arts.....	Mathematics, Physical Education, Physics, Chemistry
Mathematics.....	Physics, Chemistry, Physical Education
Music.....	Art, English, Social Science
Physical Education.....	Mathematics, Chemistry, Biology
Physics.....	Chemistry, Mathematics, Biology
Social Science.....	English, Foreign Languages, Physical Education

IMPORTANT ANNOUNCEMENT

BEFORE YOU ENROLL

STUDY

**BULLETIN OF EXPERIMENTAL
CURRICULA**

If you do not have a copy of the bulletin entitled **EXPERIMENTAL CURRICULA**, ask for it at the Registrar's office. Study the contents of this bulletin carefully. These curricula are outlined for the sole purpose of guiding you in planning your college course. Choose the outlined curricula of your choice before you register. If there are questions or problems which you do not understand, ask the Registrar or some member of the Classification Committee to answer them for you.

DEGREES WITHOUT PROFESSIONAL WORK AND WITHOUT CERTIFICATION PRIVILEGE

To procure the degree of Bachelor of Arts or Bachelor of Science, the student must satisfy the minimum departmental requirements prescribed by the Normal Executive Council except the requirements in education and in each case must present acceptable major and minors in accordance with the requirement of the Normal Executive Council. In addition to these requirements the candidate for a degree of Bachelor of Arts must take his major and minors in the fields ordinarily classed as acceptable for this degree and must present credit in foreign language as follows:

If three units of a language are presented for entrance	6 semester hours
If two units are presented.....	12 semester hours
If less than two units are presented.....	18 semester hours

The candidate for the degree of Bachelor of Science shall conform in his curriculum rather generally to that for the Bachelor of Arts degree, but he must offer at least 60 hours in sciences. For either degree the candidate should take the curriculum outlined for the degree and certificate for upper grade and high school except he should leave out the education.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students. Now that the school is a Teachers College, the association expects to see many of its members returning to the campus.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

COMMENCEMENT

Attendance at Commencement—All students who are candidates for the Standard Certificate and those who are candidates for a degree are required to participate in the commencement exercises unless excused by the President. Commencement exercises will be held at the close of the second semester and the close of the second summer term.

Who May Participate in College Commencement Exercises—Participation of students in college commencement exercises is restricted to those who have satisfied the requirements for the Standard Certificate or for a degree at the time of commencement. Students who satisfy these requirements at times other than the second semester will receive their certificates or their degrees immediately following the completion of the work and will be regarded as of the graduating class immediately succeeding the completion of the work.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary, all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. These organizations make it possible for students to enjoy a measure of social life along with their professional and intellectual activities.

Name of Organization	Qualifications for Membership
Departmental Clubs:	
Canterbury Club	Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election.
Home Economics Club	Open to students who are taking a major or a minor in Home Economics. Membership is by election.
Physical Education Club	Open to students who are taking a major or a minor in Physical Education. Membership is by election.
Sigma Lambda Society	Open to students who are taking a major or a minor in the Department of Foreign Languages. Membership is by invitation.

Name of Organization	Qualifications for Membership
Sigma Tau Pi	Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members.
Literary and Dramatics:	
Alpha Zeta Kappa	Open to all students who are interested in the intelligent discussion of public questions. Membership is by election.
Horace Mann Society	Open to all students in the College who are interested in public speaking and debating. Membership is voluntary.
Little Theatre Club	Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the Club members.
Rural Life Club	Open to all students who are interested in problems of rural life. Membership is voluntary.
Musical Organizations:	
College Band	Open to any student who has the ability to play any one of the instruments usually found in a college band. Some of the instruments are furnished by the College.
Madrigal Club	Open to all women students of the Institution. The ability of the student is the basis of selection. Membership is limited to thirty students.
Men's Glee Club	Open to all men students in the Institution. The ability of the student is the basis of selection. Membership is limited to twenty-five students.
Orchestra	Open to all students, however, new members are admitted only as vacancies occur.
Professional:	
Caduceus Club	Open to students who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension class instruction, lecturers, and various other types of public school service.

Bureau of Appointments—Through the Bureau of Appointments the institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class instruction is reasonable. For further details see Extension Division bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.



WEAVER HEALTH BUILDING

DEPARTMENT OF AGRICULTURE

Mr. Carter

Mr. Gumbert

Agriculture 111. Farm Crops. (3 hours). Second semester—M., W., F., fourth period.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops; crop improvement; storage and marketing; crop rotation; judging grain; testing seeds.

Agriculture 115. Soils. (3 hours). First semester—M., W., F., seventh period.

Purpose: To give the student a thorough knowledge of soil physics and soil management; to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 121. Feeds and Feedings. (3 hours). First semester—M., W., F., first period.

Purposes: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 126. Farm Poultry. (3 hours). Second semester—T., T., S., second period.

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds; poultry house construction; feeds; balanced rations; poultry diseases; egg production; meat production; culling of flock; pests; grading and marketing poultry products.

Agriculture 131. General Horticulture. (3 hours). Second semester—T., T., S., third period. Laboratory, Th., fourth period. First summer term—Daily, eighth period.

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 163. General Agriculture. (3 hours). First semester—T., T., S., second period. Second semester—Section I., M., W., F., fourth period. Section II, M., W., F., seventh period. First summer term—Daily, sixth period. Second summer term—Daily, first period. (2 hours).

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. This course should be helpful to county school superintendents and principals of rural schools as well as grade teachers. Use is made of some elementary texts, bulletins and assigned reading.

Agriculture 223. Market Milk. (3 hours). Second semester—Lecture, M., W., F., seventh period. Laboratory, Friday, eighth period. First summer term—Lecture, M., W., F., sixth period. Laboratory, Tu., Th., sixth and seventh periods. (2 hours).

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk; milk as a food; milk in its relation to public health; bacteriology of milk; dairy farm inspection; scoring milk and cream; cost of milk production; milk plants; pasteurization; refrigeration, etc.

Agriculture 224. Dairy Farming. (3 hours). First semester—M., W., F., seventh period.

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds; judging; breeding; feeding; calf raising; pedigrees; advanced registry; dairymen's association; dairy barn construction; equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours). Second semester—M., W., F., first period.

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

Agriculture 241. Agricultural Economics. (2 hours). First summer term—Daily, fourth period.

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation; farm equipment; the size of farms; farm labor and wages; farm credit; insurance needs of the farmer; tenant farming; rent and profit; marketing; farm products; crop estimates and forecasts; price fixing and the cost of farm products; the social side of farm life; the future of the farmer, etc.

Agriculture 243. Rural Sociology. (3 hours). First semester—T., T., S., third period. Second semester—Section I, M., W., F., sixth period. Section II, M., W., F., eighth period. Second summer term—Daily, fourth period.

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life; movements of population; isolation of rural people; agricultural production; farm tenancy; rural health; rural homes; rural churches, etc.

Agriculture 245. Farm Records and Accounts. (3 hours). First semester—M., W., F., eighth period.

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises.

Topics: Ruling and preparing farm records; private personal accounts; financial statement; principles of double entry; journalizing, posting, trial balance and balance sheet; closing the ledger; bills receivable and bills payable; banking; the business letter, business forms and office equipment. Special exercises with farm inventory, financial statements, cost accounts of crops and live stock, and annual statement. The office records of New Stateland Farm will be available for purposes of class study.

Agriculture 251. Farm Engineering. (3 hours). First semester—M., W., F., fourth period.

A course involving a study of farm machines, their operation and care; farm structure; use of concrete on the farm, and the principles of drainage.

Agriculture 347. Farm Management. (3 hours). First semester—M., W., F., sixth period. Second summer term—Daily, sixth period.

Purpose: This course is intended to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms and prescribe remedies.

Topics: Personal characteristics desirable for a farmer; profits; cost of living on farms; types of farming; maintaining the fertility of the soil; live stock problems; distribution in the farm enterprises; farm labor; renting land; farm equipment. Desirable farm layouts and cropping systems are examined with special study of some successful and unsuccessful farm enterprises.

Agriculture 348. Marketing.

Purpose: To study the underlying principles of cooperative marketing.

Topics: The history of cooperative marketing; farmers' associations non-political in their nature; farmers' associations in politics; farm blocs; pooling the pool that controls production; dealing with non-pool producers; the Federal Farm Board.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Hours and assignments will be arranged for with the instructor in charge. For example, if a student desires a practicum in poultry management, the assignment will be made by the instructor of the particular work. The course will be listed on the student's schedule card as Agriculture 126a, Practicum in Farm Poultry. The same procedure will apply in other courses where practicums may be offered.

DEPARTMENT OF ART

Miss Gibson

Art 161. Public School Art. (3 hours). First semester—Section I, Tu., Th., S., first period. Section II, M., W., F., sixth period. Second semester—Section I, daily, fourth period. (First nine weeks). Section II, daily, fourth period. (Second nine weeks). Section III, M., W., F., sixth period. Section IV, M., W., F., seventh period. First summer term—Section I, daily, sixth period. Section II, daily, seventh period. Second summer term, daily, fifth period. (2 hours).

Purpose: To present the fundamental principles of drawing and design from the professional point of view.

Topics: Color study; picture study; illustration; poster making projects.

Art 251. Advanced Freehand Drawing. (3 hours). Second semester—M., W., F., first and second periods.

Prerequisite: Art 161.

Purpose: Continuation of Art 161.

Topics: Charcoal drawing; blackboard drawing; pen and ink drawings.

Art 252. Drawing and Paintings. (3 hours). First semester—M., W., F., first and second periods. Second summer term—Daily, first and second periods. (2 hours).

Prerequisite: Art 161.

Purpose: To give the students the fundamentals of oil painting.

Topics: Mixing colors; applied designs; landscape composition.

Art 291. Art Appreciation. (3 hours). First semester—M., W., F., seventh period. Second semester—T., T., S., third period. First summer term—Daily, fourth period. (2 hours).

Purpose: The purpose of this course is to enable the student to interpret, select, and enjoy fine art in its various forms.

Topics: Analysis of pictures; sculpture; architecture; textiles and furniture.

Art 372. Applied Design. (3 hours). First semester—T., T., S., third and fourth periods.

Prerequisite: Art 161.

Purpose: The purpose of this course is to develop skill in the application of the principles of design.

Topics: Decoration of common objects; creative design; color as related to costumes and interior decoration.

DEPARTMENT OF BIOLOGY

Mr. Rumbold

Miss Krick

Biology 121. General Biology. (4 hours). First semester—Lecture, Section I, T., T., second period. Section II, T., T., sixth period. Section III, M., W., sixth period. Laboratory, Section I, M., W., fifth and sixth periods. Section II, M., W., seventh and eighth periods. Section III, T., T., first and second periods. Section IV, T., T., fifth and sixth periods. Section V, T., T., seventh and eighth periods. Second semester—Lecture, Section I, T., T., third period. Section II, T., T., sixth period. Section III, M., W., sixth period. Laboratory, Section I, T., T., seventh and eighth periods. Section II, M., W., fifth and sixth periods. Section III, T., T., fifth and sixth periods. Section IV, M., W., seventh and eighth periods. First summer term—Lecture, daily, fourth period. Laboratory, Section I, daily, first and second periods. Section II, daily, seventh and eighth periods. Second summer term—Lecture, daily, fourth period. Laboratory, daily, first and second periods. Laboratory fee, \$4.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system, embryology Homology. and analogy; protective coloration; adaptation, and genetics.

Biology 161. Nature Study. (3 hours). Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: To give the student an acquaintance with and an appreciation of nature, as well as to give him teachable information; to acquaint him with nature study literature.

Topics: This course includes a study of plants and animals, their recognition, habits, growth, adaptation to environment, relation to man and to each other. Methods of presentation are discussed.

Biology 231. General Botany. (4 hours). First semester—Lecture, M., W., seventh period. Laboratory, M., W., first and second periods. Laboratory fee, \$2.00.

Prerequisite: Biology 121 or the permission of the instructor.

Purpose: This is an introductory course in botany and may be taken with the permission of the instructor in place of Biology 121 by students who intend to major or minor in biology. The purpose is to give the student fundamental knowledge concerning the structure and physiological process of seed plants; to acquaint the student with the structure, reproduction, relationships and economic importance of representatives from the four great plant groups; to give the student a conception of certain botanical principles.

Topics: The structures and functions of roots, stems, leaves and flowers; cell structure and growth; detailed study of one or two of the representative forms from the Thallophytes, Bryophytes, Pteridophytes, and Spermatophytes.

Biology 232. Advanced Botany. (4 hours). Not to be offered 1931-32. Laboratory fee, \$2.00.

Prerequisite: Biology 231.

Purpose: To give the student a wider acquaintance with the plant kingdom than was obtained in Biology 231; to broaden his knowledge of the field of botany as a whole.

Topics: Several representatives from the three lowest of the great groups of plants are studied as to their structure, reproduction and economic importance; the students are instructed in the use of the key, thereby teaching them to identify and classify the local flora; history of Botany; plant genetics; plant development.

Biology 233. Plant Diseases. (3 hours). First semester—Lecture, F., second period. Laboratory, M., W., first and second periods.

Prerequisites: Biology 231 or 121 and permission of instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States; to acquaint the student with the general problems in the field of plant pathology.

Topics: Several plant diseases will be studied with regard to their symptoms, causes, and means of spread. Life history of the casual organism, economic importance of the disease, and methods of control.

Biology 234. Plant Physiology and Ecology. (3 hours). Not to be offered 1931-32.

Prerequisite: Biology 231.

Purpose: To give information concerning the physiological processes of plants and plant organs; to study plants in relation to their environment.

Topics: The study of absorption, transpiration, food making, respiration, and growth; adjustments of plants to their environment; plant distribution; plant societies.

Biology 235. Systematic Botany. (2 hours). Second semester—T., T., third and fourth periods.

Prerequisite: Biology 231 or 121.

Purpose: To familiarize the student with the local flora; to instruct in the use of the key; to give information concerning the structure and classification of the flowering plants.

Topics: A study of the most important families of the flowering plants, including their structure, classification, and identification. The families of economic importance will be emphasized.

Biology 239. Plant and Animal Histology. (2 hours). Not to be offered 1931-32.

Prerequisites: Biology 231, 241, and 242. (121 may be substituted for either 241 or 242).

Purpose: To acquaint the student with methods for collecting and preserving plant and animal tissue for the classroom use or for technical study; to give the student practice in identifying plant and animal tissues.

Topics: Preservation of specimens; methods in the making of microscopic slides; study of plant and animal tissues.

Biology 241. Invertebrate Zoology. (4 hours). First summer term—Lecture, daily, sixth period. Laboratory, daily, first and second periods. Laboratory fee, \$4.00.

Purpose: This course is intended for students who desire to major in the biological sciences and should be taken in place of Biology 121; a survey of the lower forms of the animal kingdom.

Topics: Protozoa; porifera; coelenterata; ctenophora; platyhelminthes; nemathelminthes; annelida; echinodermata; mollusca; arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours). First semester—Lecture, T., T., eighth period. Laboratory, T., T., third and fourth periods. Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 243. Economic Entomology. (4 hours). Not to be offered 1931-32.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 244. Animal Parasites. (4 hours). Second semester—Lecture, M., W., seventh period. Laboratory, T., T., first and second periods. Laboratory fee, \$4.00.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amœbic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trichina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Arachnida (mites and ticks); Arthropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 245. Embryology. (New). (4 hours). First semester—Lecture, M., W., fourth period. Laboratory, T., T., third and fourth periods.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Prerequisites: Biology 121 and Biology 242, or the permission of the instructor.

Biology 325. Genetics. (3 hours). Not to be offered 1931-32.

Prerequisites: Biology 121, 231 or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's Laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 327. Animal Behavior. (2 hours). First semester—T., T., seventh period.

Prerequisite: Biology 121.

Purpose: To deal with the development of mind in animals and how they respond to stimuli.

Topics: Tropisms, course of development in nervous systems, color and color response in animals, temperature and reactions to temperature, action systems, levels of learning, evolution of animal intelligence, instincts and intelligence, evidences of gustatory and olfactory sensitivity in the animal kingdom.

Biology 328. Animal Ecology. (2 hours). Second summer term—Daily, sixth period.

Prerequisite: One year of Biology.

Purpose: This course proposes a consideration of the natural history of animals; the relation of animals to their surroundings; and the responses of organisms to the factors of their environment.

Topics: Physical and chemical ecological factors, biological factors, succession, marine and fresh water animals, terrestrial animals, relation of animals to plants, relation of animals to color, intraspecific relations, the economic relations of ecology.

Biology 381. Animal Physiology. (4 hours). Second semester—Lecture, M., W., F., second period. Laboratory, T., T., first and second periods. Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.



CRABBE LIBRARY

DEPARTMENT OF CHEMISTRY

Mr. Cox

Mr. Herndon

Chemistry 101. Everyday Chemistry. (3 hours). First semester—M., W., F., sixth period. Second semester—M., W., F., sixth period.

Purpose: The purpose of this course is to give one the fundamental principles of chemistry without going into the mathematics and the theory of chemistry. The course is designed for those students who want only a cultural knowledge of the subject. This is not a service course for Home Economics and pre-medical students.

Chemistry 211. General Chemistry. (4 hours). First semester—Lecture, M., W., fourth period. Laboratory, Section I, T., T., third and fourth periods. Section II, T., T., fifth and sixth periods. Second semester—Lecture M., W., fourth period. Laboratory, Section I, T., T., third and fourth periods. Section II, T., T., fifth and sixth periods. First summer term—Lecture, daily, second period. Laboratory, daily, fifth and sixth periods. Second summer term—Lecture, daily, second period. Laboratory, daily, fifth and sixth periods. Laboratory fee, \$5.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; The chemical nature of matter; Preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; The gas laws; The chemistry and purification of water; The theory of solutions; Acids, bases, salts and neutralization; The theory of ionization and its applications; Microcosmic chemistry.

Chemistry 212. Inorganic Chemistry. (5 hours). Second semester—Lecture, M., W., F., first period. Laboratory, Section I, T., T., first and second periods. Section II, T., T., third and fourth periods. Second summer term—Lecture, daily, fourth period. Laboratory, daily, fifth and sixth periods. Laboratory fee, \$5.00.

Prerequisite: Chemistry 211.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy; radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (4 hours). First semester—Lecture, M., W., first period. Laboratory, T., T., first and second periods. First summer term, daily, first period. Laboratory, daily, sixth and seventh periods. Laboratory fee, \$5.00.

Prerequisites: Chemistry 211 and 212.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 214. Advanced Inorganic Chemistry. (3 hours). First semester—Lecture, W., F., second period. Laboratory, S., first and second periods. Laboratory fee, \$5.00.

Prerequisites: Chemistry 212 and 213.

Purpose: The theory of advanced inorganic chemistry with special reference to the study of the periodic and non-periodic properties.

Topics: Detailed study of the modern classification of the elements; molecular inorganic compounds; Werness theory of complex salts.

Chemistry 215. Organic Chemistry. (5 hours). First semester—Lecture, M., W., F., second period. Laboratory, S., first, second, third and fourth periods. Second semester—Lecture, M., W., F., second period. Laboratory, S., first, second, third, and fourth periods. First summer term—Lecture, daily, first period. Laboratory, daily, seventh and eighth periods. Laboratory fee, \$5.00.

Prerequisites: Chemistry 211 and 212.

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantative Analysis. (5 hours). Second semester—Lecture, M., W., fourth period. Laboratory, T., T., F., seventh and eighth periods. Second summer term—Lecture, daily, first period. Laboratory, daily, fifth and sixth periods. Laboratory fee, \$5.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric; volumetric and electrolytic determinations.

Chemistry 311. Advanced Quantitative Analysis. (3 hours). First semester—Lecture, M., W., sixth period. Laboratory, to be arranged. Laboratory fee, \$5.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 312. Advanced Organic Chemistry. (4 hours). Second semester—Lecture, M., F., sixth period. Laboratory, S., first, second, third and fourth periods. Second summer term—Lecture, daily, second period. Laboratory, daily, sixth and seventh periods. Laboratory fee, \$5.00.

Prerequisite: Chemistry 215.

Purpose: To acquaint the student with some of the theories and modern developments of organic chemistry.

Topics: Stereoisomerism; optical activity; tautomerism; intramolecular rearrangements; electronic concepts of valence of organic compounds; oxidation and reduction of organic compounds; theory of color production.

Chemistry 313. Bio-chemistry. (5 hours). First semester—Lecture, M., W., F., first period. Laboratory, T., T., seventh and eighth periods. First summer term—Lecture, daily, fourth period. Laboratory, daily, sixth and seventh periods. Laboratory fee, \$5.00.

Prerequisites: Chemistry 211 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 314. Organic Preparations. (3 hours). First semester—Lecture, M., F., fourth period. Laboratory, to be arranged. Laboratory fee, \$5.00.

Prerequisites: Chemistry 215 and Chemistry 312.

Purpose: To give the student practice in the synthesis of complex organic compounds.

Topics: Friedal-Kraft synthesis; Benzoin condensations; Goldsmiths synthesis; Perkins synthesis; aceto-acetic ester synthesis.

Chemistry 315. Physical Chemistry. (5 hours). Second semester—Lecture, M., W., second period. Laboratory, T., T., sixth, seventh and eighth periods. Laboratory fee, \$5.00.

Prerequisites: Chemistry 216 and 312.

Purpose: To broaden the students conception of chemical laws and to illustrate inter-relationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

DEPARTMENT OF COMMERCE

Mr. Moore
Mr. Richards

Miss Gill
Miss Ford

Commerce 101. An Introduction to Business and Industry. (2 hours). First semester—T., T., sixth period. Second semester—T., T., sixth period.

Purpose: To give the student a bird's-eye view of the entire business field; to appraise the opportunities for success in the various branches of industry; and to analyze the requirements for individual success in the various branches of industry.

Topics: The most important industries of the country, such as aluminum, automobile, banking, chemical, construction, copper, cotton, electric, iron and steel, lead, leather, paint, packing, lumber, petroleum, rubber, water power, wool, zinc, etc.; the most important business concerns of the country; the number of people employed in the various industries, etc.

Commerce 115. Beginning Shorthand. (5 hours). First semester—M., T., W., T., F., first period. Second semester—M., T., W., T., F., second period. First summer term—Daily, first period. Second summer term—Daily, first period.

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 116. Advanced Shorthand. (3 hours). First semester—M., W., F., second period. Second semester—M., W., F., first period. First summer term—Daily, fourth period. (2 hours).

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 121. Business Arithmetic. (2 hours). First semester—T., T., seventh period. Second semester—T., T., seventh period.

Purpose: To prepare the student for Commerce 122, and to provide the student with sufficient information to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting

notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 122. Principles of Accountancy. (4 hours). First semester—Lecture, M., W., second period. Laboratory, T., T., second and third periods. Second semester—Lecture, M., W., second period. Laboratory, T., T., second and third periods.

Prerequisite: Commerce 121.

Purpose: To prepare the student for teaching the subject and for practical accounting and bookkeeping work. The course is also of infinite value to students interested in business administration.

Topics: A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible. The balance sheet; the profit and loss statement; the philosophy of debit and credit; mixed accounts; periodic work on the ledger; journals; business forms and vouchers; the trial balance and methods of locating errors; controlling accounts; the work sheet; balance sheet valuation, et cetera.

Commerce 124. Economics. (3 hours). First semester—M., W., F., second period.

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture; commerce; transportation; industry; labor legislation; socialism; social insurance; population and population trends; and finance of the principal European nations is studied.

Commerce 125. Principles of Economics. (3 hours). First semester—M., W., F., seventh period. First summer term—Daily, fourth period. (2 hours).

Purpose: To acquaint the student with the principles of economic theory.

Topics: Industry; the science of economics; wealth; capital; income; specialization; exchange; agents of production; risk; price levels; business cycles; international trade; and value.

Commerce 131. Elementary Penmanship. (1 hour). First semester—T., T., seventh period. Second semester—T., T., sixth period. First summer term—Daily, sixth period.

Purpose: To teach the principles of good handwriting; to afford practice in executing these principles; to develop an appreciation of good handwriting.

Topics: The elements of good handwriting; arm movement and how to develop it; analysis of various letters of the alphabet; much drill for movement and form.

Commerce 132. Advanced Penmanship. (1 hour). Second semester—T., T., seventh period. Second summer term—Daily, fourth period.

Purpose: This course is a continuation of Commerce 131. Its purpose is to develop greater skill in writing and to give instruction in how to teach penmanship.

Topics: Methods of teaching penmanship; what constitutes a high degree of skill in handwriting; regular size, slant, and spacing.

Commerce 151. Beginning Typewriting. (2 hours). First semester—M., T., W., T., F., fourth period. Second semester—Section I, M., T., W., T., F., first period. Section II, M., T., W., T., F., fourth period. First summer term—Daily, sixth period. Second summer term—Daily, fifth period. Fee, \$2.00.

Purpose: To develop proper technique at the typewriter; to attain a minimum speed of twenty words per minute on the typewriter.

Topics: Mechanics of the typewriter; the keyboard; word drills; sentence drills; paragraphing; styles of letters; the general make-up of a letter; how to make a letter attractive; special characters not on the keyboard; foundations of speed.

Commerce 152. Advanced Typewriting. (2 hours). First semester—M., T., W., T., F., second period. Second semester—M., T., W., T., F., second period. First summer term—Daily, fifth period. Second summer term—Daily, sixth period. Fee, \$2.00.

Purpose: To develop speed and accuracy in typewriting; to develop an understanding of the theory of typewriting which will enable the student to teach it. A speed of forty words a minute is required.

Topics: Speed tests; practice on material which will develop speed and accuracy; writing business letters; punctuation; tabulation; legal forms; copy work; spacing; various other business forms.

Commerce 201. Business English. (3 hours). Second semester—M., W., F., second period.

Prerequisite: English 101.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; addressing the letter; the sales letter; appeals to special classes; follow-up letter; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; the letter of application; business reports; style studies.

Commerce 203. Secretarial Practice. (3 hours). Second semester—T., T., S., third period.

Purpose: To develop speed in transcribing; to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective arrangement and display of typewriting; duties of a secretary; dress, deportment, and office ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 209. Business Organization. (3 hours). First semester—M., W., F., sixth period.

Purpose: To acquaint the student with the different types of organizations doing business, and to develop an attitude toward big business which will help bring about a better understanding of business problems.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization holding company; amalgamation; merger; promotion; underwriting; the stock exchange; reorganization and receivership; trust legislation; evils and causes of trusts; remedies.

Commerce 220. (New). Principles of Accountancy. (2 hours). First semester—T., T., eighth period. Second semester—T., T., fourth period. First summer term—Daily, fourth period.

Purpose: This course is a continuation of Commerce 220. The laboratory set gives practice in partnership accounting.

Topics: A more thorough consideration of controlling accounts and practice in handling them in a laboratory set is provided. The characteristics of a partnership; relation of partnership to accounting; formation of a partnership; division of profits; admission of a new partner; retirement of a partner; dissolution of a partnership.

Commerce 221. (New). Principles of Accountancy. (3 hours). First semester—T., T., seventh period. Second semester—T., T., seventh period.

Purpose: This course is a continuation of Commerce 220. The laboratory set gives practice in corporation accounting. The student should be able to do ordinary accounting and bookkeeping work after completing this course.

Topics: Analysis and interpretation of statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of a corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 222. Practical Economic Problems. (3 hours). Second semester—M., W., F., first period. Second summer term—Daily, fourth period. (2 hours).

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Money and banking; labor problems; the trusts; railroads; monopolies; taxation; social insurance.

Commerce 224. Banking. (3 hours). Second semester—M., W., F., sixth period.

Prerequisite: Commerce 122.

Purpose: To provide information in the field of money and bank-

ing and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Commerce 225. Accounting Problems. (2 hours). Second semester—T., T., eighth period.

Prerequisite: Commerce 122.

Purpose: To acquaint the student with some of the problems met in various fields of accounting; to introduce the student to the principles of auditing and C. P. A. problems.

Topics: Qualifications of an auditor; purposes of an audit; various accounts to be checked; assembling data for an audit; determining content of the report; form of report and certificates, organization for accounting control; analysis of borrowers' financial statements; foreign exchange accounting; savings bank accounting; bituminous coal mine accounting; precious metal mine accounting; ranch cost accounting; contractors' accounts; accounting in the coffee trade; principles of department store accounting; hotel accounting; municipal accounting; the organization and accounts of a public account's office.

Commerce 241. Salesmanship. (3 hours). First semester—T., T., S., first period. Second summer term—Daily, first period.

Purpose: This course is designed to give valuable information in the field of selling to those desiring to teach the subject and those expecting to do actual selling.

Topics: The art of selling; the motives behind all buying; the customer's mental journey; attitudes of buyer and salesman; preparation of the selling talk; the pre-approach; the interview; arousing interest; creating desire. Some time will be given to answering objections; how to meet excuses; the diplomacy of the close; types of customers.

Commerce 242. Advertising. (2 hours). Second semester—T., T., first period.

Purpose: To acquaint the student with some of the economic and psychological principles of advertising.

Topics: Factors which determine the kind and extent of advertising; the trade-mark; psychological factors in advertising; the chief human needs; relative strength of tendencies and interests; laws of attention applied to advertising materials; establishing associations and making them dynamic; the nature and purpose of advertising copy; substance of the copy; principles of form, color, or-

nament, and type; laying out the advertising; media; analyzing circulation; determining the value and the results of advertising.

Commerce 261. Methods of Teaching Commercial Subjects in the High School. (2 hours).

Purpose: To provide materials and methods for the prospective teacher of commercial subjects in the high school.

Topics: Methods in the following subjects: Bookkeeping, type-writing, shorthand, salesmanship, business law, business English, business arithmetic, penmanship, and office practice; making a commercial curriculum; purposes and aims of commercial subjects in the high school; tests in the various subjects; commerce clubs; placement and follow-up.

Commerce 263. Practice Teaching in Commerce. (2½ hours). Offered on demand.

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision; grading papers; administering and checking tests; preparation of papers on topics related to the student's major interest; outlines of the subject taught.

Commerce 305. Business Law. (Formerly Commerce 205). (3 hours). First semester—M., W., F., fourth period. First summer term—Daily, seventh period. (2 hours).

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school.

Topics: Law in general; kinds of law; contracts; sales; agency; partnerships; corporations; negotiable instruments; bailments and carriers; insurance; personal property; real property; suretyship and guaranty; bankruptcy.

Commerce 306. Business Law. (Formerly 206). (3 hours). Second semester—M., W., F., fourth period. Second summer term—Daily, seventh period. (2 hours).

Purpose: This course is a continuation of Commerce 205, it includes cases and takes up phases of business law not covered in the course mentioned above.

Topics: Corporation problems; notes; drafts; deeds; mortgages; insurance.

Commerce 321. American Economic History. (2 hours). Second summer term—Daily, eighth period.

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Commerce; industry; transportation; banking; labor problems; business organization; monetary problems; and agriculture.

Commerce 324. Bank Accounting. (New). (2 hours). First summer term—Daily, second period.

Prerequisites: Commerce 122 and 224.

Purpose: To provide information in the field of banking and to give the student practice in keeping a set of banking books.

Topics: Accounting principles applied to banking; banks and their organizations; the business of a bank; the internal organization of a bank; the clearing house; books of account; accounts; statement of the business.

Commerce 330. Public Finance. (3 hours). Second semester—M., W., F., second period.

Prerequisite: Commerce 125.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, economic effects; the forms of public revenue—the public domain, the industrial domain, administrative revenues, taxation; public credit, its nature and uses, its forms; financial administration and legislation. Under the heading of taxation are discussed such topics as the following: the meaning and development of taxation; some requisites of a sound tax system, the distribution of the tax burden; means of escape from taxation; the general property tax; modified property taxes; taxes on corporations; consumption and other excise taxes; taxes on incomes; estate and inheritance taxes.

Commerce 340. Investments. (3 hours). First summer term—Daily, sixth period. (2 hours).

Prerequisite: Commerce 125.

Purpose: To give the student information concerning the fundamental principles of sound investments; to help the average person to work out a plan for his investments; to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society; classification of securities; analyses of securities; possibilities of investment in different classes of securities; financial institutions; the mechanics of investments; the effect of taxation on investment policies; investment and the business cycle; business forecasting; the determination of an investment policy.

Commerce 342. (New). Advertising Procedure. (2 hours). First summer term—Daily, first period.

Prerequisite: Commerce 242.

Purpose: This course has a three-fold purpose: (1) To give those students expecting to teach commerce a more thorough knowledge of advertising than can be obtained in Commerce 242; (2) To inform those people who, later in life, will have advertising done, about certain very essential phases of procedure to follow; (3) To give important information to those students contemplating the advertising field as a profession.

Commerce 343. Marketing. (3 hours).

Prerequisite: Commerce 125.

Purpose: To provide the student with information in the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives; marketing functions and institutions; selling direct to consumer; earlier and simpler types of retail institutions; department stores; mail order houses; chain stores; agricultural wholesale markets; middlemen of the city agricultural markets; classes and types of wholesalers; raw-materials; cooperative marketing; speculation; prices and some price policies; brands and brand policies; ethical aspects of marketing.



BURNAM HALL, GIRLS' DORMITORY

DEPARTMENT OF EDUCATION

Mr. Jones	Mr. Edwards	Mrs. Case	Miss Hansen
Miss Schnieb	Mr. Ferrell	Mrs. Tyng	Mr. Moore
Mr. Cuff	Mr. Mattox		

TRAINING SCHOOL STAFF

Miss Lingenfelser	Miss Hanson	Mr. Bryant
Miss Story	Miss Carpenter	Miss Rush
Miss Wilson	Miss Lee	Miss Adams
Miss Wingo	Mr. Grise	Mr. Walker
Miss Pugh	Mr. Burns	Mrs. Tyng

Education 111. Educational Psychology. (3 hours). First semester—Section I, M., W., F., sixth period. Section II, M., W., F., eighth period. Section III, M., W., F., first period. Section IV, T., T., S., second period. Second semester—Section I, M., W., F., sixth period. Section II, M., W., F., eighth period. Section III, T., T., S., third period. Section IV, T., T., S., fourth period. Section V, M., W., F., seventh period. First summer term—Section I, daily, seventh period. Section II, daily, sixth period. Second summer term—Section I, daily, seventh period. Section II, daily, fourth period. (2 hours).

Purpose: (a) to introduce the future teacher to the fundamental principles of educational psychology; (b) to teach the student to apply the psychology of learning to classroom practice; (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology; individual differences; original tendencies; mental health; measurement of non-intellectual traits; measurement of mental ability; uses and results of intelligence tests; the laws of learning; motivation and initiative; efficient learning; the permanence of modification; transfer of training; measurement of achievement; uses of educational tests; the new type of classroom tests; predicting performance; educational guidance.

Education 161. Teaching in the One-and-Two-Teacher School. (3 hours). First semester—Section I, M., W., F., fourth period. Section II, M., W., F., sixth period. Section III, M., W., F., seventh period. Second semester—Section I, M., W., F., second period. Section II, T., T., S., second period. Section III, M., W., F., sixth period. Section IV, M., W., F., eighth period. First summer term—Section I, daily, second period. Section II, daily, seventh period. Second summer term—Section I, daily, fourth period. Section II, daily, seventh period. (2 hours).

Purpose: To give the teacher who expects to take the College Elementary Certificate on one semester of college work some preparation readily available for her use in the one-room school. (Not available for credit except to students who take the College Elementary Certificate).

Topics: Plans for opening the term; the first day of school; the use of the records and other helps from the County Superintendent's office; adapting the outline of the daily program given in the state manual of the course of study to the individual school; how to get through the work of the daily program; the state course of study; some ways of teaching in the elementary school; a working bibliography on teaching in the rural school; getting along with a rural school.

About half the periods devoted to this course will be used in visiting the rural school of the college.

Education 164. (Formerly English 164). Reading in the Elementary School. (3 hours). First semester—Section I, M., W., F., second period. Section II, M., W., F., sixth period. Second semester—Section I, M., W., F., second period. Section II, M., W., F., sixth period. Section III, M., W., F., seventh period. First summer term—Daily, fourth period. Second summer term—Daily, sixth period. (2 hours).

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Education 201. The Junior High School. (2 hours). Second semester—M., W., F., seventh period. Second summer term—Daily, sixth period.

Purpose: To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school; (b) to give an understanding of the purposes of the junior high school, its organization, and administration; (c) to determine the peculiar objectives and functions of the junior high school education; (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular

activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

Education 203. Principles of Teaching. (3 hours). Second semester—T., T., S., third period. Second summer term—Daily, sixth period. (2 hours).

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching; (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education; meaning and function of the school; meaning and evidences of learning; purposeful activities; selection and organization of subject matter; various types of class procedure; making assignments; standards for judging teaching.

Education 211. General Psychology. (3 hours). First semester—M., W., F., second period.

Purpose: (a) To present the problems, methods, and facts of psychology as a science; (b) to show applications of psychology; (c) to teach students to apply psychological principles to situations in which they may be helpful.

Topics: The problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments; laws of learning; economy in learning; general intelligence and special aptitudes; personality; individuality; applications of psychology.

Education 213. (Formerly 114). Child Psychology. (3 hours). First semester—M., W., F., seventh period. Second semester—M., W., F., first period. Second summer term—Daily, sixth period. (2 hours).

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood; (b) to describe the behavior and activities which may be expected of a child in any stage of development; (c) to teach the student how to observe and to interpret the behavior of children; (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction; biological and social heredity; the child as an organism; instincts; emotions; linguistic development; development of handedness; development through play; physical development; hygiene; learning and acquisition of habits; mental development; intelligence; social and moral development; the exceptional child; individual differences; guidance of children.

Education 214. Psychology of Adolescence. (3 hours). First semester—T., T., S., third period. Second semester—M., W., F., eighth period. First summer term—Daily, first period. Second summer term—Daily, first period. (2 hours).

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence; (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens; (c) to teach students how to solve problems of adolescent behavior; (d) cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction; physical development; mental development; growth of intelligence; adolescent instincts and interests; emotional life; learning and forgetting; moral and religious development;; adolescent personality; disturbances of personality; hygiene of adolescence; prediction of adolescent behavior; guidance of adolescent behavior.

Education 223. The Elementary Principal. (3 hours). Second semester—M., W., F., first period. Second summer term—Daily, first period. (2 hours).

Purpose: (a) To acquaint the student with the growing importance of the elementary school principalship; (b) to study and evaluate the duties and activities of the principal in relation to the teachers, to the school, to the profession, and to the community; (c) to present some of the outstanding problems in the administration and supervision of the elementary school.

Topics: Brief survey of the status of the elementary school principalship; purposes and functions of the elementary education; school organization; duties, activities, and qualifications of the principal; care and equipment of the school plant; supervision of instruction; management of pupils; a working acquaintance with the curriculum; gradation and classification of pupils; the principal's relationships; organization of the principal's office, office equipment, office hours, division of time, and correspondence; materials and supplies, child accounting and attendance problems; school publicity; records and reports; research; arranging student's programs; guidance program; extracurricular activities; schedule making; professional improvements; community organization and relationships.

Education 251. Rural School Supervision. (3 hours). Second semester—M., W., F., sixth period. First summer term—Daily, fourth period. (2 hours).

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools; (b) to assist the student in planning and administering a desirable supervisory program; (c) to give instruction in the use of the various agencies of supervision; (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: **Distinction between supervision and administration;** nature and problems of supervision; status of rural school supervision in a few representative states; **handicaps and possibilities of the rural school;** purposes and principles of supervision; preparation of

a constructive supervisory program; **organization of the school**; **relation of the school to the community**; **gradation and classification of pupils**; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, **school publicity**, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

(Note: The topics in heavy type above will be included in Education 255 during the summer terms. In the regular semesters these topics will form a regular part of Education 251.)

Education 252. County School Administration. (3 hours). Second semester—M., W., F., fourth period. First summer term—Daily, sixth period. (2 hours).

Prerequisite: A total of at least forty-eight semester hours of credit.

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools; (b) to present a desirable philosophy of rural education; (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the County Superintendent; powers, duties and qualifications of the members of the County Board of Education; school organization and control; the county unit system: **the school plant, location, equipment, and care of buildings**; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems; playgrounds and playground equipment; problems of small schools, especially of one-, two-, and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; **the county superintendent's office, needed space and proper equipment**; duties of the County Superintendent as secretary of the County Board; relations between the Superintendent and the Board; bookkeeping of the County Superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the Board; the distribution of funds; school costs and financial accounting; business management; correspondence, office

hours, and miscellaneous office routine; office assistants and duties assigned each.

(Note: The topic in heavy type above will be given as Education 255, Office Administration, during the summer term. In the regular semesters these topics, however, will form a regular part of Education 252.)

Education 260. Remedial Teaching. (2 hours). Second semester—T., T., third period.

Purpose: To enable the prospective teacher to (a) discover unproductive processes and habits of work and study; (b) apply correctives, and (c) make habitual the better processes. (The course will concern itself only with the interests of children classed as normal.)

Topics: Bad habits hit upon by children when working without guidance; early habits persisted in after they ought to have been outgrown; diagnosis in the various school subjects; treatment.

Education 261. Fundamentals in Early Elementary Education. (4 hours). First semester—Section I, M., T., W., T., F., second period. Section II, M., T., W., T., F., sixth period. Second semester—Section I, M., T., W., T., F., second period. Section II, M., T., W., T., F., sixth period. First summer term—Section I, daily, first and second periods. Section II, daily, sixth and seventh periods. Second summer term—Daily, first and second periods.

Purpose: (a) to provide graduated approach to student teaching in the primary grades; (b) organize units of work, both group and individual; (c) introduce methods in teaching grades one, two and three; (d) learn to make lesson plans; (e) give practice in organizing materials for the between-recitation period; (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings and by class room discussion; (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction; (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 262. Fundamentals in Rural Education. (4 hours). First semester—M., T., W., T., F., second period. Second semester—

M., T., W., T., F, fourth period First summer term—Daily, sixth and seventh periods

Purpose: (a) To provide graduated approach to student teaching in rural schools; (b) to give practice in selecting and organizing materials for class work; (c) to develop a technique of lesson planning; (d) to introduce some of the devices used in modern teaching; (e) to suggest desirable relationships between school and community; (f) to evaluate theories of teaching in the light of classroom procedure, by directed observation in the Rural Demonstration School and in the Training School by assigned readings and by class discussion.

Topics: Standards for observing class work; lesson planning; teaching the elementary school subjects in rural schools; selecting and organizing materials; organization of a rural school; school housekeeping; discipline; schoolroom equipment; school and community relationships; measuring progress of instruction.

Education 263. Fundamentals in Intermediate Education. (4 hours). First semester—M., T., W., T., F., fourth period. Second semester—M., T., W., T., F., fourth period First summer term—Daily, sixth and seventh periods Second summer term—Daily, first and second periods.

Purpose: (a) to acquaint the student with the common school problems and activities which arise in the experiences of teachers; (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes; (c) to give practice in organizing units of work for use in the intermediate grades; (d) to give practice in making lesson plans; (e) to introduce some of the devices and methods used in modern teaching; (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School by assigned readings and class discussion.

Topics: The meaning and the function of the school; school organization and equipment; class organization; function of the course of study; curricular activities and materials; classroom routine and equipment; community cooperation; standards for observing class work; lesson planning; teaching the elementary school subjects in the later grades; measuring progress of instruction.

Education 264. Methods of Teaching in the Secondary School. (4 hours). First semester—M., T., W., T., F., fourth period. Second semester—M., T., W., T., F., fourth period. First summer term—Daily, first and second periods. Second summer term—Daily, first and second periods.

Purpose: (a) To provide a graduated approach to student teaching in the high school grades; (b) to give practice in selecting and organizing materials for teaching purposes; (c) to develop a technique of planning instruction; (d) to familiarize prospective high school teachers with the newer forms of teaching technique; (e) to emphasize the desirable outcomes of high school teaching; (f) to

analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time and efforts; technique of class management; providing opportunity for pupil's activities; exhibiting useful teaching traits.

Education 265. Supervised Student Teaching in the Early Elementary Grades. (5 hours). Hours to be arranged with Mr. Edwards.

Prerequisite: 261 or 262.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in primary teaching; and (2) to acquaint the student teacher with modern devices and materials of primary teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the materials of instruction used. Under the training teacher's supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room for a whole day. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 266. Supervised Student Teaching in Intermediate Grades and High School. (5 hours).

Prerequisite: 262, 263 or 264.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the upper grades and junior high school; and (2) to acquaint the student teacher with modern devices and materials for teaching.

Topics: At first the student teacher observes activities of the class room, studies the children and the subject matter he intends to teach. Under the training teacher's supervision lessons are planned and help given in performance of routine. At least two different sub-

jects are taught during the term. If a student teacher has a special subject in which he is taking a major or a minor, he may do one-half of his student teaching in that subject. All student teachers meet the training teacher under whom they work for one-hour conference period daily.

Education 268. Extra-Curricular Activity. (2 hours). First semester—T., T., seventh period.

Purpose: (a) To provide a brief survey of the organization of extra-curricular activity; (b) to familiarize prospective teachers with the basic principles and educational philosophy underlying extra-curricular activity; (c) to suggest desirable programs of activity and to assist teachers in planning and conducting such programs; (d) to interpret and evaluate student organizations and activities.

Topics: Origin, development, and present status of extra-curricular activities; objectives and functions of student organizations, distinctions between curricular activities and extra-curricular activities; principles and practices governing the supervision and administration of activities; some apparent dangers of extra-curricular activity; types of activities and organizations; home-room organization and activity; the assembly; student participation in school government; programs for special days and occasions; supervising play and athletic activities; clubs; dramatic and musical organizations; literary societies, debating, and public speaking; school trips and excursions; secret societies; social activities; school publications, school newspaper, magazine, yearbook, and handbook; honor societies; commencement and class day programs; school banks and banking; study hall and library activities; training and guidance of student chairmen, secretaries, and leaders; parliamentary procedures; girl reserve movement; Christian Association; the Junior Red Cross; Boy Scouts; Girl Scouts; Camp Fire Girls; drives and campaigns; faculty advisers and relationships; encouraging and limiting student participation; duties of the director of activities, the principal, dean of girls, sponsors, and teachers with reference to extra-curricular activities, citizenship and school spirit; manners and courtesy; publicity for organizations; materials for programs; conduct of programs and assemblies; relation of the teacher to the community; criteria for evaluating extra-curricular activities.

Education 269. Visual Instruction. (2 hours). Second semester—T., T., seventh period. First summer term—Daily, fourth period.

Purpose: (a) To give the student an appreciation of the possibilities of visual education; (b) to set up criteria for selecting and buying materials and equipment for visual instruction; (c) to acquaint the student with the sources, uses and care of visual education equipment.

Topics: The psychology and value of visual education; the place and use of visual instruction in teaching the different subjects at the various grade levels; the criteria for the selection and purchase of

equipment together with the sources and costs of it; the use and care of such equipment.

Education 301. The Teacher in a System of Schools. (2 hours). Not to be offered 1931-32.

Purpose: (a) To give the prospective teacher a cursory view of schools systematically laid out and operated; (b) to show the relation of the teacher to the system.

Topics: The desirability of a system carefully planned; prevailing systems as kindergarten to state university; kindergarten to high school without state university; variations within the system, as departmentalized elementary schools, junior high schools, platoon schools, Dalton and other plans, trade, vocational, technical, and professional schools; types of supervision; the relation of the teacher to the different members of the supervisory staff, the members of the teaching staff, the pupils, the public, and to the janitor and other caretakers; the significance of records of achievement and of attendance et cetera in a system of schools.

Education 305. Educational Sociology. (2 hours). Second summer term—Daily, second period.

Purposes: (a) to investigate the several factors and laws upon which educational theory and practice must rest; (b) To give a concrete picture of the actual conditions and the distinctive characteristics of group life; (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other institutions of the community; (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in a changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 311. Character Education. (2 hours). First summer term—Daily, second period.

Purpose: To afford the student an acquaintance with the psychology of and the proposed plans for character development.

Topics: Need of character education; objectives of character education; sources of conduct; evolution of conduct; methods of measuring personality and character growth; plans for character development—home training, direct instruction, discipline, codes, honor systems, extra-curricular activities, curricular activities, and religious organizations; the most promising experiments; research needed.

Education 315. Advanced Educational Psychology. (3 hours). Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: (a) To enable the student to become better acquainted with the native equipment of children; (b) to test the student's ability to teach by his knowledge of how learning occurs; (c) to discuss conditions for effective school work; (d) to apply the principles of psychology to the solution of the teacher's problems.

Topics: Introduction; nature and nurture; the organism; innate tendencies; mental measurement; individual differences; causes of individual differences; measures of individual differences; general principles of learning; special abilities and disabilities in learning; learning and motivation; the psychology of the teacher; the psychology of language, reading, spelling, and arithmetic; transfer of training.

Education 318. Educational Guidance. (2 hours). Second semester—T., T., second period.

Purpose: To have those who are interested make a survey of the methods that have been used in the past and a critical examination of the methods now being employed in educational guidance.

Topics: Evolution of educational guidance; nature of educational guidance; need for guidance; how some representative workers are meeting the need for guidance; nature of elementary school guidance; nature of secondary school guidance; tests, measurements, aptitude, ability, and personality rating scales with especial reference to their usefulness in the guidance of young people; social activity; school work and health of students; solving problems of individual maladjustment; vocational guidance; form and content of record blank.

Education 321. Educational Measurement. (2 hours). First semester—T., T., first period. First summer term—Daily, first period. Fee, \$1.75.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 331. History of Education. (2 hours). Second semester—T., T., sixth period. Second summer term—Daily, second period.

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization; (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage; (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of normal discipline; education influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 341. The Elementary School Curriculum. (3 hours). Second semester—T., T., S., fourth period.

Purpose: (a) To acquaint the student with the literature on curriculum construction; (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education; function of the school; function of the curriculum; the curriculum as related to the objectives of education; criteria for evaluating curricula; need and procedure for curriculum construction and revision.

Education 358. Public School Finance. (2 hours). Second summer term—Daily, sixth period.

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities; the units of school support, apportioning the benefits and the sources of public school revenue.

Education 363. Advanced Student Teaching. (2 or 2½ hours). (Open to Juniors and Seniors who have major and minors approved). Hours to be arranged with Mr. Edwards.

Prerequisite: At least two and one-half hours in Education 265 or 266.

Purpose: To enable prospective supervisors to acquire a high degree of skill; to provide teaching at the high school level in their major fields to students who expect to become high school teachers; to enable prospective school principals to orient themselves; to provide for the specific and peculiar needs of students outside of and beyond the opportunity afforded by Education 265 and 266.

Procedure: The student analyzes his need and outlines the process of satisfying it. When plans are adequately matured and are approved he proceeds according to the outline. Adequate time for conferences with his supervisors must be held open by the student in making up his program of studies for the semester.

DEPARTMENT OF ENGLISH

Mr. Clark
Mr. Keene

Miss Greer

Miss Buchanan
Miss Zellhoefer

English 101. Oral and Written Composition. (3 hours). First semester—Section 1, T., T., S., first period. Section 2, M., W., F., eighth period. Second semester—Section 1, T., T., S., first period. Section 2, M., W., F., eighth period. Section 3, M., T., W., T., F., S., second period, second nine weeks. First summer term (2 hours)—Section 1, daily, first period. Section 2, daily, eighth period. Second summer term—Daily, first period.

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (3 hours). Not open to students who have had English 101 prior to September, 1929). First semester—Section 1, M., W., F., second period. Section 2, M., W., F., seventh period. Second semester—Section 1, M., W., F., second period. Section 2, M., W., F., seventh period. Section 3, M., T., W., T., F., S., first period, second nine weeks. First summer term (2 hours).—Section 1, daily, second period. Section 2, daily, seventh period. Second summer term—Daily, second period.

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. (3 hours). First semester—M., W., F., fourth period. Second semester—T., T., S., first period. First summer term—Daily, second period. Second summer term—Daily, fifth period. (2 hours).

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 165. Grammar for Teachers. (2 hours). Second semester—T., T., seventh period.

Prerequisite: Freshman English.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 201. Journalism. (3 hours). First semester—M., W., F., seventh period. Second summer term—Daily, seventh period. (2 hours).

Prerequisite: Freshman English.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to consider the problems of managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc., kinds and methods of journalistic writing and practices in each; headlines; make-up; copy; proof reading; organization of staff; problems in managing and advising an editorial and business staff and suggestive methods.

English 205. Argumentation. (3 hours). Second semester—M., W., F., sixth period.

Prerequisite: Freshman English.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument, fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 211. English Literature. (3 hours). First semester—T., T., S., second period. Second semester—T., T., S., fourth period. Second summer term—Daily, fifth period. (2 hours).

Prerequisite: Freshman English.

Purpose: To bring within student experience the content of selected English literature from *Beowulf* to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selecting of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo-Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucer's England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature; English poetics.

English 212. English Literature. (3 hours). Second semester—Daily, fourth period, second nine weeks. First summer term—Daily, sixth period. Second summer term—Daily, fourth period. (2 hours).

Prerequisite: Freshman English.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries, and with the movements, influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period, characteristics, influences, writers, literature as to form, method, and content; mid and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to leading forms, method, and content; values in literature; English poetics.

English 213. American Literature. (3 hours). First semester—M. W., F., fifth period. First summer term—Daily, fourth period. (2 hours).

Prerequisite: Freshman English.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical, and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism: disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding

of the literature studied; values and elements of appeal for the upper grades and high school.

English 215. Nineteenth Century Prose. (3 hours). First summer term—Daily, sixth period. (2 hours).

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; an analysis of the prose style of some of the essayists; oral and written reports.

English 216. The Short Story. (2 hours). Second semester—T., T., fifth period.

Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topic: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high schools.

English 217. Contemporary Literature. (3 hours). Second semester—M., W., F., fourth period. Second summer term—Daily, fourth period. (2 hours).

Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 231. Public Speaking. (3 hours). First semester—T., T., S., third period. Second semester—T., T., S., third period. First summer term—Daily, sixth period. (2 hours).

Prerequisite: English 101.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes, and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. (2 hours). First semester—T., T., sixth period. Second semester—T., T., sixth period. First summer term—Daily, fifth period. Second summer term—Daily, seventh period.

Prerequisite: Freshman English.

Purpose: To familiarize the primary teacher with some of the best literature for children and to render her more capable of guiding children's reading.

Topics: The course includes an extensive reading of children's books and a discussion of the history of children's literature, the needs and interests of the growing child, the characteristics of both desirable and undesirable books for children, and the development of the child's taste in reading. Principles of teaching literature and methods of presentation are incidentally touched upon.

English 262. Play Producing. (2 hours). Second semester—T., T., seventh period. Second summer term—Daily, first period.

Purpose: A practical laboratory course to prepare students to produce plays in schools and communities.

Topics: Organization and duties of producing staff; designing, making, and painting scenery; lighting and mechanical equipment of stage; costuming and make-up; theories of color and design on stage; practical work in mounting plays on miniature stage and the public presentation of class work; collateral reading in the history of the stage and national trends in theater design.

English 263. Play Directing. (2 hours). First semester—T., T., seventh period. Second semester—T., W., T., F., second period, last nine weeks.

Purpose: To acquaint the student with types, theories, and practices in directing plays.

Topics: Relation of director to play, author, actor, and staff; methods of choosing plays and casts; methods of rehearsing; blocking and building dramatic scenes; study of rhythm, design, and grouping; of tempo, atmosphere, and climax; character interpretation; practice work in directing; elementary principles of voice and diction; collateral reading in theory of play coaching and of plays suitable to amateur production.

English 264. Story Telling. (3 hours.) First semester—M., W., F., sixth period. First summer term—Daily, seventh period. (2 hours).

Prerequisite: English 261 or its equivalent.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given in the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 301. Advanced Composition. (3 hours). Second semester—M., W., F., second period. Second summer term—Daily, sixth period. (2 hours). Required of juniors and seniors who have less than six hours of freshman English.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 311. Shakespeare. (3 hours). First semester—M., W., F., fourth period. Second summer term—Daily, sixth period. (2 hours).

Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's England and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 312. Contemporary Drama. (3 hours). Second semester—M., W., F., sixth period.

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 313. World Literature. (2 hours). First summer term—Daily, first period.

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and saga, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 314. The Novel. (3 hours). Second semester—Daily, fourth period, second nine weeks. Second summer term—Daily, second period. (2 hours).

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 321. Romantic School of Poets. (2 hours). First summer term—Daily, fourth period.

Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic movement; to present the various elements that compose the movement.

Topics: The course includes the beginnings of Romanticism; Burns and his contribution; Wordsworth and his theory of poetry; Coleridge; Scott and Southey; Byron, Shelley, and Keats; definition of romanticism; written reports.

English 322. Victorian Poets. (3 hours). First semester—M., W., F., sixth period. Second summer term—Daily, fourth period. (2 hours).

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the student with some of the characteristic poetry from the time of Tennyson until the close of the century, and to help him interpret the spirit of the age through its poetry.

Topics: The social, religious, industrial, and intellectual unrest of the time as evidenced by the poetry; the Oxford Movement; the

pre-Raphaelite Brotherhood; naturalism and realism in the latter part of the period; the poetry of Tennyson, the Brownings, Arnold, Swinburne, the Rossettis, Morris, Hardy, and others; a comparison of the work of these poets with that of American poets of the period.

English 323. Milton. (2 hours). First semester—T., T., seventh period.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*.

English 324. (Formerly 130). Medieval Story. (2 hours). Second semester—T., T., sixth period.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; social and moral ideals which they reveal.

English 335. Interpretative Reading. (3 hours). Second semester—T., T., S., fourth period. Second summer term—Daily, second period. (2 hours).

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 341. History of the English Language. (2 hours). Second summer term—Daily, first period.

Prerequisites: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

DEPARTMENT OF FOREIGN LANGUAGE

Miss Pollitt

Mrs. Murbach

Foreign Language 104. Selections from Livy. (3 hours). Second semester—M., W., F., second period.

Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books I, XXI, and XXII; (b) assigned readings from such historians as Mommsen, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Foreign Language 108. Selections from Horace. (3 hours). First semester—M., W., F., second period. First summer term—Daily, second period. (2 hours).

Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in 104 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Foreign Language 121. Intensive Study of First Year Latin. (2 hours). First summer term—Daily, fourth period.

Purposes: (a) The work of this course represents the equivalent of one year's high school Latin and is recommended for teachers of Latin who wish to become acquainted with the newer text books and methods which have been introduced since the Classical Survey. It is not to be given college credit, if Latin has been used for entrance credit, except by indorsement of the Dean at time of registration;

(b) mature students who have some immediate purpose in beginning in college the study of Latin, such as pre-medical or other pre-professional students, will be admitted.

Topics: Study of first year Latin according to latest text books, using topics recommended by Classical Survey.

Foreign Language 122. Intensive Study of Cæsar. (3 hours). Second semester—M., W., F., sixth period. Offered in alternate years with Foreign Language 123, on demand.

Prerequisite: One unit of high school Latin.

Purposes: The object of this course is identical with that of Foreign Language 121, viz.: (a) for review work for teachers; (b) for pre-professional work; (c) to make up earlier deficiencies in Latin.

Topics: (a) Careful review of first year material; (b) Cæsar's Gallic and Civil Wars; (c) selected readings from writers of similar difficulty.

Foreign Language 123. Intensive Study of Cicero or Ovid. (3 hours). Offered in alternate years with Foreign Language 122. Not to be offered 1931-32.

Prerequisite: Two units of high school Latin.

Purpose: The object of this course is identical with that of Foreign Language 122.

Topics: Cicero or Ovid will be studied as needs of the students require; an occasional variation is Vergil. Course developed with especial reference to students along same lines as Foreign Language 122.

Foreign Language 131. Elementary German. (3 hours). First semester—M., W., F., fourth period.

Foreign Language 132. Elementary German (Continued). (3 hours). Second semester—M., W., F., fourth period.

Foreign Language 151. (Formerly French 101). Elementary French. (3 hours). First semester—M., W., F., first period. First summer term—Daily, first period. (2 hours).

Purposes: (a) To introduce the student into the field of modern language study and acquaint him with the mechanics of the subject; (b) to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: First thirty-five lessons in MacKenzie & Hamilton "Elementary French Grammar;" reading of seventy-eight pages in "Contes de France," Meras & Roth; drill on oral French, beginning of French conversation, and special ear training in French sounds by use of French victrola records.

Foreign Language 152. (Formerly French 102). Elementary French. (3 hours). Second semester—M., W., F., sixth period. Second summer term—Daily, first period. (2 hours).

Prerequisite: Foreign Language 151 or one unit of high school French.

Purposes: To continue the study begun in 151. This course is primarily for junior college students but senior college students may be admitted on approval of the Dean and head of the department.

Topics: Lessons 35-62, MacKenzie "Elementary French Grammar;" pgs. 79-126, "Petitus Contes de France," Meras & Roth; "Le Voyage de M. Perrichon," Labiche; copious work in oral French.

Foreign Language 201. Latin Prose of the Silver Age. (3 hours). Second semester—M., W., F., fifth period. This course is offered in alternate years with 203, and will be given in 1931-32.

Prerequisites: Foreign Language 104 and 105, or the equivalents thereof.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus Agricola; (c) selected readings from other representative writers.

Foreign Language 202. Satire and Epigram. (3 hours). First semester—M., W., F., fifth period. This course is offered in alternate years. Not to be offered 1931-32.

Prerequisite: Foreign Language 104 and 105 or the equivalents thereof.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century A. D. through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of Satire in Latin literature, with assignments from Horace; (d) study of Satire in English; (e) study of epigram as a literary expression.

Foreign Language 203. Latin Literature of the Early Empire. (3 hours). Second semester—M., W., F., fifth period. This course is offered in alternate years with Foreign Language 201, and will be given in 1932-33.

Prerequisites: Foreign Language 104 and 105, or the equivalents thereof.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

Foreign Language 212. Legacy of Greece. (Formerly Foreign Language 112). (2 hours). First semester—T., T., sixth period. First summer term—Daily, first period.

Purpose: To acquaint the average student with the more important contributions made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) note books; (d) reports and term papers.

Foreign Language 213. Legacy of Rome. (Formerly Foreign Language 113). (2 hours). Second semester—T., T., sixth period.

Purpose: This course is similar in purpose and design to Foreign Language 112, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

Foreign Language 214. Course in General Linguistics. (Formerly Foreign Language 114). First semester—M., W., F., fifth period. This course is offered in alternate years.

Prerequisites: Two units of high school Latin.

Purpose: To trace the development of human speech from primitive man to the present variations of language, particularly the Indo-European families.

Topics: (a) Anthropology; (b) the psychological nature of linguistic experience; (c) the acquisition and use of a vocabulary; (d) etymological development of the English language.

Foreign Language 231. Intermediate German. (3 hours). Not to be offered 1931-32.

Foreign Language 232. Intermediate German (Continued). (3 hours). Not to be offered 1931-32.

Foreign Language 251. (Formerly 103). Intermediate French. (3 hours). First semester—M., W., F., seventh period. First summer term—Daily, second period. (2 hours).

Prerequisites: Foreign Language 151, 152 or two units of high school French.

Purposes: (a) To continue the study of French grammar; (b) to increase the student's use and comprehension of oral French; (c) to continue the study of French Literature.

Topics: (a) Careful study of Badaire's "Precis de la Litterature Francaise; (b) Rapid reading of "Le Roman d'un Jeune Homme Padre," Feuillet; and "le Petit Journal," with class discussions conducted in French; (c) Grammar review in "French Review Grammar," Barton and Sirich.

Foreign Language 252. (Formerly 104). Intermediate French. (3 hours). Second semester—M., W., F., seventh period. Second summer term—Daily, sixth period. (2 hours). Prerequisites: 151, 152 and 251 or three units of high school French.

Purposes: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: (a) Intensive reading of "Colomba", Merimee; (b) Rapid reading for conversational purposes of "L'Abbe Constantin", Halevy, and "Le Pettit Journal"; (c) French composition.

Foreign Language 253. (Formerly Foreign Language 153). French Civilization. (2 hours). Second semester—T., T., seventh period. First summer term—Daily, fourth period. Second summer term—Daily, second period. Not to be offered 1931-32.

Purposes: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved.

Topics: The course consists of lectures and assigned readings. A survey of French history, politics, art and literature will be given.

Foreign Language 254. (Formerly Foreign Language 253). French Prose Classics. (3 hours). First semester—M., W., F., fourth period.

Prerequisites: 251, 252 or four units of high school French.

Purposes: (a) To develop the student's powers to read French rapidly; (b) to increase facility in the use of spoken French.

Topics: (a) Intensive reading of "Les Trois Mousquetaires", Dumas; "Quatre-Vingt-Treize", Hugo; "Eugenie Grandet", Balzac; (b) Selected library readings from Montaigne, Fenelon, Mme. de Sevigne, Rousseau, Voltaire, Diderot; (c) grammar review and composition.

Foreign Language 255. French Prose Classics. (3 hours). Second semester—M., W., F., first period.

Prerequisite: Foreign Language 253.

Purpose: To continue the work begun in 253.

Topics: (a) Class discussion of one work of the authors Daudet, Maupassant, Sand, Bazin and Loti; (b) Library reading from the works of Chateaubriand, Mme. de Stael, Lamartine, Flaubert, Zola Bordeaux, Barres and France; (c) Grammar review in "Sketch Maps of France," Kullmer and Gerard.

Foreign Language 311. Survey of Latin Literature. (3 hours). Second semester—M., W., F., first period.

Prerequisite: This course is given entirely in English, but unless the student has considerable literary background, not only of Latin, but also of English, he would not be able to enter this course. Open only to senior college students.

Purpose: To furnish a literary and historical survey of Latin literature from its earliest periods to the late Latin of middle ages.

Topics: (a) Mackail's Latin Literature; (b) selected readings from Cunliffe and Showerman, Howe and Harrer, Laing and others; (c) students who have proficient reading ability will be expected to do assigned reading in original.

Foreign Language 355. French Drama. (2 hours). Not to be offered 1931-32.

Prerequisites: Foreign Language 254 and 255.

Purpose: (a) To follow the rich stream of French drama from medieval times to the present; (b) to see something of the development of French thought as reflected in the national drama.

Topics: (a) Medieval romanticism, the renaissance, classicism, eighteenth century satirical drama, modern romanticism and the schools which sprang from it are treated in lectures; (b) Representative plays from the drama of the last three centuries are read.

Foreign Language 356. (New). French Seminar. (2 hours). Not offered 1931-32.

Purpose: (a) This course is designed to round out as much as possible the major work in French, giving a view of the subject as a whole, supplementing at points which have of necessity been neglected and discussing problems for study in the future as the student goes into the teaching field or the graduate school.

Topics: (a) Rapid review of the great schools of prose, drama and poetry; (b) weekly compositions on assigned subjects in French literature; (c) conversation in the salon manner on problems of interest to the language student.

Foreign Language 361. The Teaching of Latin. (3 hours). First semester—M., W., F., fifth period.

Prerequisite: Four units of high school Latin and six semester hours of college Latin.

Purpose: To prepare Latin majors for teaching subject.

Topics: (a) Study of classical survey (b) examination of newest available text books in first year Latin; (c) use of modern methods in poster and note book material; (d) examination of Classical Journal, Classical Weekly, Latin notes, etc.

Foreign Language 365. Teacher Training Course. (1 hour). Not to be offered 1931-32.

Prerequisite: Foreign Language 253 or 255.

Purposes: To review grammar principles and phonetics; to take up methods used in teaching French in elementary and high schools; to discuss text books, anthologies and sources of material for extra curricular interests in language for teacher and student.

Topics: Handschin's "Methods of Teaching Modern Languages;" Nitze and Wilkins "Handbook of French Phonetics;" library reading of the "Report of the Committee of Twelve;" assigned readings in the Modern Language Journal.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours). First semester—T., T., S., third period. Section II, T., T., S., fourth period. Section III, M., W., F., fifth period. Section IV, M., W., F., sixth period. Second semester—T., T., S., third period. Section II, T., T., S., fourth period. Section III, M., W., F., fifth period. Section IV, M., W., F., sixth period. First summer term—Daily, fourth period. Second summer term—Daily, fifth period. (2 hours). Fee, \$1.00.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) To help the student acquire a geographic vocabulary, (c) To give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams, and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the contingents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 201. Physical Geography and Geology. (3 hours). First semester—Lecture, W., F., seventh period. Laboratory, M., seventh and eighth periods. First summer term—Daily, seventh period. (2 hours). Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Geography 202. Climatology. (3 hours). Second semester—Th., S., first period. Laboratory, Tu., first and second periods. Second summer term—Daily, fourth period. (2 hours). Laboratory fee, \$3.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, b) to interpret climatic data

and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis; and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity, cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 205. Economic and Historical Geology. (3 hours). Second semester. Lecture, W., F., seventh period. Laboratory, M., seventh and eighth periods. Laboratory fee, \$3.00.

Prerequisites: Geography 101 and 201.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits, evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 221. Economic Geography of the Industries. (3 hours). First semester—T., T., S., first period. Second semester—M., W., F., first period. Second summer term—Daily, second period. (2 hours).

Prerequisite: Geography 101.

Purpose: (a) To acquaint the student with the major industries of the world, and the principal factors influencing domestic and international trade; (b) to give the student a background for study in international relations and world problems.

Topics: The nature of economic geography; the place and nature of agriculture; the cereals; the starch foods; the forage crops; vegetable crops; fruit crops and wine industries; sugar; vegetable oils; condiments and tobacco; vegetable fibers; non-food vegetables; fisheries; the animal foodstuffs; animal fibers, furs and skins; the fundamentals of manufacture, fuel and power; the forest industries and paper; the iron and steel industries; the mineral industries; textiles; leather and rubber; inland transportation, North America; international trade and transportation; trade centers and world trade routes.

Geography 271. Geography of North America. (3 hours). First semester—M., W., F., fourth period. Second semester—M., W., F., second period. Second summer term—Daily, first period. (2 hours).

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 272. Geography of Europe. (3 hours). First semester—M., W., F., first period. First summer term—Daily, second period. (2 hours).

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 273. Geography of Latin America. (3 hours). Second semester—M., W., F., fourth period.

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; Historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and psysiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 274. Geography of Asia. (3 hours). First semester—M., W., F., second period.

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the Exploration and Exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—The Threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 361. Materials and Methods in the Teaching of Geography. (2 hours). Second semester—T., T., sixth period. First summer term—Daily, first period.

Prerequisite: Eight hours of geography.

Purpose: To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials available for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 371. Geography of World Problems. (3 hours). First semester—M., W., F., fourth period.

Prerequisite: Junior standing and six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 374. Geography and Geology of Kentucky. (2 hours). First summer term—Daily, sixth period. Fee, \$1.00.

Prerequisite: Geography 101 and 201.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of **physical influences which make up the geo-**

graphic environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 377. Conservation of Natural Resources. Second summer term—Daily, sixth period. (2 hours).

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasises thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminium, silver, uranium and radium; the human resources; agricultural losses.



CAMMACK BUILDING, THE TRAINING SCHOOL

DEPARTMENT OF HEALTH

Dr. Farris

Mr. McDonough

Mr. Carter

Mr. Hembree

Miss Hood

Miss Hughes

Health 100. (Formerly Physical Welfare 100). Personal Hygiene. (3 hours). First semester—M., W., F., sixth period. Second semester—M., W., F., sixth period. (Men). First summer term—Section I, daily, sixth period. (Women). Section II, daily, second period. (Men). (2 hours).

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. (Formerly Physical Welfare 101). Sanitary Science. (3 hours). First semester—Section I, M., W., F., second period. Section II, T., T., S., fourth period. Section III, M., W., F., sixth period. Second semester—Section I, T., T., S., second period. Section II, M., W., F., fourth period. Section III, M., W., F., sixth period. First summer term—Section I, daily, first period. Section II, daily, fifth period. Section III, daily, fourth period. Second summer term—Section I, daily, second period. Section II, daily, fourth period. (2 hours).

Purpose: To study the fundamental principles of sanitary science and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Microorganisms in relation to sanitation; personal and public hygiene; food protection and preservation; the protection of the water and milk supply; immunization and control of communicable diseases; home and school sanitation; social and economic aspects of health problems; health administration; function and authority of health officers, etc.

Health 202. (Formerly Physical Welfare 102). First Aid to the Injured. (1 hour). Second semester—T., T., fifth period. (First nine weeks). First summer term—M., W., F., fifth period.

Purpose: To prepare the prospective teacher, by demonstrations and practice, to treat the emergencies which present themselves in the school room, on the playground, and on the athletic field.

Health 300. Applied Anatomy. (2 hours). First semester—T., T., S., second period.

Purpose: This course is to familiarize the student with a study of anatomy as it is applied to physical education activities.

Topics: Skeleton; muscles, joints; coordination of muscle groups, etc.

Health 301. (Formerly Physical Welfare 301). Applied Physiology. (2 hours). Second semester—T., T., S., second period. Second summer term—Lecture, M., W., F., sixth period. Laboratory, hours to be arranged.

Purpose: The purpose of this course is to further familiarize the student with physiology and its practical applications.

Topics: Study of different systems, fatigue, effect of drugs, system dearrangments, and effects of activity on these systems.

Health 303. Advanced Sanitary Science. (5 hours). First semester—Lecture, M., W., F., second period. Laboratory, T., T., second and third periods. Second semester—Lecture, M., W., F., second period. Laboratory, T., T., second and third periods. First summer term—Lecture, M., W., F., second period. Laboratory, T., T., first and second periods. Second summer term—Lecture, M., W., F., second period. Laboratory, T., T., first and second periods. Laboratory fee, \$4.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique; sterilization; preparation of culture media; isolation and identification of bacteria; efficiency of disinfectants; control of communicable diseases; determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. (Formerly Physical Welfare 304). Bacteriology of Foods. (2 hours). First summer term—Lecture, M., W., F., fourth period. Laboratory, T. T., third and fourth periods. Second summer term—Lecture M., W., F., sixth period. Laboratory, T., T., sixth and seventh periods. Laboratory fee, \$4.00.

Prerequisite: Health 303.

Purpose: To study control measures for microorganisms responsible in food spoilage and food poisoning.

Topics: Fermentation; food poisoning; food preservation; canning; pickling; use of chemicals in food preservation.

Health 362. Individual Gymnastics. (2 hours). First semester—Hours to be arranged. First summer term—Daily, seventh period.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365 Materials and Methods for Teaching Health Education. (3 hours). First semester—M., W., F., sixth period. First summer term—Daily, second period.

Prerequisite: Physical Welfare 100 or 101.

Purpose: To present the general and special principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and practiced.

Topics: Objectives of health program; development of a health consciousness; the use of the school environment as teaching material; health projects; an analysis of school practices and activities as they contribute to health. Required of all Physical and Health Education majors.



CAMPUS VIEW, THE TRAINING SCHOOL IN THE DISTANCE

DEPARTMENT OF HOME ECONOMICS

Miss Dix
Miss Burrier

Miss Slater
Miss Adams

Home Economics 101. Nutrition and Food Preparation. (3 hours). First semester—Lecture, F., second period. Laboratory, M., W., first and second periods. Second semester—Lecture, F., second period. Laboratory, M., W., first and second periods. First summer term—Daily, first and second periods. Second summer term—Daily, first and second periods. (2 hours). Laboratory fee, \$6.00.

Purpose: To familiarize the students with the general composition of foods and their place in the diet; to teach the fundamental principles of preparation of foods most commonly used in the home.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning and preparing and serving of the meal of that unit.

Home Economics 102. Advanced Cookery. (3 hours). First semester—M., W., F., sixth period and M., W., seventh period. Second semester—M., W., F., sixth period and M., W., seventh period. Second summer term—Daily, sixth and seventh periods. (2 hours). Laboratory fee, \$6.00.

Prerequisite: Home Economics 101.

Purpose: To develop skill in the variations of food cookery; to acquaint the student with all the possible variations of any one dish; to develop a wide variation of food in meal planning.

Topics: Study of standard recipes and all the variations of the standard recipe; suitability of the variations to various menus; a study of the cost of the variations as compared to the standard recipe.

Home Economics 103. Source, Selection, and Cost of Foods. (2 hours). First semester—Lecture, Th., second period. Laboratory, T., T., first and second periods. Second semester—Lecture, Th., sixth period. Laboratory, Tu., sixth and seventh periods.

Purpose: To familiarize and aid in solving marketing problems of the home and to acquaint the prospective teacher with the various grades of food and marketing conditions.

Topics: Source, selection and comparative costs of foods used in the home; preparation and comparison of dishes made from various grades of the same foods.

Home Economics 110. Textiles. (2 hours). First semester Lecture, Th., sixth period. Laboratory, Tu., sixth and seventh periods. Second semester—Lecture, Th., second period. Laboratory, Tu., first and second periods.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishing; to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains; laundering.

Home Economics 111. Garment Making. (3 hours). First semester—M., W., F., first and second periods. Second semester—M., W., F., first and second periods. First summer term—Daily, sixth and seventh periods. Second summer term—Daily, sixth and seventh periods. (2 hours). Laboratory fee, \$2.00.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready made garments.

Topics: Study of the sewing machine and attachments; making of simple foundation patterns; selection of materials suitable for simple wash dress, kimona, or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing; clothing budgets.

Home Economics 112. Dressmaking. (2 hours). First semester—T., T., third and fourth periods. Second semester—T., T., sixth and seventh periods. Second summer term—Daily, first and second periods.

Prerequisites: Home Economics 111 or its equivalent in an accredited high school.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting, and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; remodeling of wool dresses.

Home Economics 113. Care and Selection of the Wardrobe. (3 hours). Not open to Home Economics Majors. First semester—M., W., F., fourth period. Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: This course is planned for students who wish to make an intelligent study of their wardrobes and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 201. (Formerly Home Economics 102). Meal Planning, Preparation and Serving. (3 hours). First semester—Lecture, S., third period. Laboratory, T., T., third and fourth periods. Second semester—Lecture, S., third period. Laboratory, T., T., third and fourth periods. First summer term—Daily, fourth and fifth periods. (2 hours). Laboratory fee, \$9.00.

Prerequisite: Home Economics 101 or its equivalent in an accredited high school.

Purpose: To enable the student to plan, prepare and serve well-balanced meals of the home types at varying costs; to familiarize students with different types of table service; to give them an opportunity to more extensively study table etiquette.

Topics: Principles of a well-balanced meal; preparation and serving of well-planned meals with different types of service; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various type of meals; table decorations and accessories for various occasions; care of table linens.

Home Economics 210. Children's Clothing. (3 hours). First semester—Lecture, F., sixth period. Laboratory, M., W., sixth and seventh periods. Laboratory fee, \$2.00.

Prerequisite: Demonstration of ability to sew.

Purpose: To give a comprehensive analysis of clothing for infants and children up to twelve years of age, considering health, economy and appropriateness.

Topics: Suitability of material; design and color; decoration; ease of construction; ease of laundering; costs; yearly expenditure of money for different ages.

Home Economics 222. The House. (3 hours). First semester—Lecture, M., F., sixth period. Laboratory, W., sixth and seventh periods. Second semester—Lecture, Tu., S., second period. Laboratory, Th., first and second periods.

Prerequisite: Art 161.

Purpose: To become acquainted with the principles of house planning, decorating, and furnishing of a house; to plan appropriate backgrounds for various rooms according to use and location in the house; to choose and arrange furniture to its best advantage; to develop an appreciation for artistic and beautiful surroundings.

Topics: Harmony, proportion, balance. Emphasis is placed on color harmony, as applied in rugs; draperies, wall coverings and pictures; period furniture; refinishing furniture; daily and occasional care of the house.

Home Economics 223. Home and Social Problems. (2 hours). Open to men students only. Second semester—T., T., sixth period.

Purpose: To create in boys a desire for higher home and social standards, thus helping them for the job of home making and more efficient citizens.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 224. Household Equipment. (2 hours). First semester—T., T., sixth period. First summer term—Daily, second period.

Purpose: To familiarize girls with various types of modern household furnishings and enable them to more wisely purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings including electric and non-electric; cleaning equipment; bedding, linens, china, glassware, and silver; floor coverings, etc.

Home Economics 225. Family Relationships. (2 hours). First semester—T., T., second period.

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life; place of children in the family; economic independence of women; home-making as a profession; distribution of the family income.

Home Economics 231. Home Nursing. (2 hours). First semester—T., T., sixth period. First summer term—Daily, sixth period.

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Home Economics 301. Dietetics. (3 hours). Second semester—Lecture, F., sixth period. Laboratory, M., W., fifth and sixth periods. First summer term—Daily, sixth and seventh periods. (2 hours). Laboratory fee, \$2.00.

Prerequisites: Home Economics 101, 102, Chemistry 313 and Biology 381.

Purpose: To give students an opportunity to know nutritional values of foods; to apply the fundamental principles of human nutrition to the feeling of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods; requirements of the body under different living conditions; dietary problems; prevention of diseases through the diet.

Home Economics 315. Clothing Design. (3 hours). First semester—Lecture, S., first period. Laboratory, T., T., first and second periods. First summer term—Daily, first and second periods. (2 hours). Laboratory fee, \$2.00.

Prerequisites: Home Economics 112, 110, and Art 161.

Purpose: To develop originality in design from the various sources of inspiration; to gain a thorough knowledge of the principles of design which underlie costume design; to create a keener appreciation for good line, color, spacing, and simplicity in costume through the study of current designs and historic costume.

Topics: Study of line and color in relation to features and stature of various individuals; effect of accessories on costumes; the making of a dress form to be used in draping various types of garments. Two draped garments are to be completed and criticised in class.

Home Economics 316. Tailoring. (2 hours). Second semester—T., T., third and fourth periods. Laboratory fee, \$2.00.

Prerequisite: Home Economics 112.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 321. Home Management. (5 hours). First and second semesters—Lecture, T., T., first period. Laboratory, hours to be arranged. First summer term—Lecture, M., T., W., F., seventh period. Laboratory, hours to be arranged. (4 hours).

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Prerequisites: Home Economics 101, 201, 103, 110, 222, 224, and junior or senior standing.

Home Economics 331. Child Care. (2 hours). First semester—M., W., F., fourth period.

Prerequisites: Education 111 and 214, Home Economics 101 and 301.

Purpose: To teach girls the proper care of the prospective mother, to teach them how to clothe, feed and care for an infant, and to study the correct habits of a child and the importance of these habits

Topics: Prenatal care of the infant; assembling of a layette; infant nutrition; daily care of the infant; the pre-school child.

Home Economics 361. Materials and Methods for Teaching Vocational Home Economics. (3 hours). Second semester—M., W., F., seventh and eighth periods.

Prerequisites: Twenty-four hours of Home Economics, Education 111, 214 and 261, 262, 263, or 264.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects, experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching; methods of presentation of various subjects and topics; observations of teaching; laboratory equipment; types of laboratories; books and periodicals.



KENTUCKY ROOM IN THE LIBRARY

Books shown in the photograph are from the John Wilson Townsend collection which contains some rare and valuable books by Kentucky writers.

DEPARTMENT OF INDUSTRIAL ARTS

Mr. Deniston

Mrs. Hume

Industrial Arts 121. General Shop. (2 hours). Second semester—M., T., W., T., seventh period. Laboratory fee, \$4.00.

Purpose: Given as an exploratory course and to aid students who wish to attempt simple repairs in the home.

Topics: Study and use of the common wood tools; soldering; paintings; staining and varnishing; simple electric work; various types of repairing.

Industrial Arts 141. Elementary Cabinet Making. (3 hours.) First semester—M., Tu., W., Th., F., sixth period. Second semester—M., Tu., W., Th., F., sixth period. Laboratory fee, \$6.00. First summer term—Daily, sixth and seventh periods. Second summer term—Daily, sixth and seventh periods. (2 hours). Laboratory fee, \$4.00.

Topics: The purposes of this course are to study furniture making as it may be taught to high school and vocational classes, and to consider the organization and teaching of such work in the schools.

Content: A study of the common hand tools, various kinds of woods, simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 165. Handwork for Early Elementary Grades. (2 hours). First semester—Section I, T., W., T., F., second period. Section II, M., T., W., T., seventh period. Second semester—Section I, T., W., T., F., second period. Section II, M., T., W., T., seventh period. First summer term—Section I, daily, second period. Section II, daily, seventh period. Second summer term—Daily, second period. Laboratory fee, \$5.00.

Purpose: To present materials and methods suitable for the early elementary grades.

Topics: Playhouses; toy making; booklets; clay modeling; block printing and weaving.

Industrial Arts 166. Handwork for Intermediate Grades. (2 hours). First semester—Section I, M., T., W., T., fourth period. Section II, T., W., T., F., sixth period. Second semester—Section I, M., T., W., T., fourth period. Section II, T., W., T., F., sixth period. First summer term—Daily, sixth period. Second summer term—Daily, sixth period. (1 hour). Laboratory fee, \$5.00.

Purpose: To present materials and methods suitable for intermediate grades.

Topics: Basketry; weaving; box work; Casso modeling; Bateek work.

Industrial Arts 191. (Formerly 101). Elementary Mechanical Drawing. (3 hours). First semester—M., Tu., W., Th., F., second period. Second semester—M., Tu., W., Th., F., Second period. Laboratory fee, \$6.00. First summer term—Daily, first and second periods (2 hours). Second summer term—Daily, first and second periods. Laboratory fee, \$4.00.

Purpose: Given in the foundation course for mechanical and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon which each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing, and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 201. Projects in Industrial Arts. (1 or 2 hours). By Appointment. Laboratory fee, \$2.00 or \$4.00.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 222. Primary Handicraft. (2 hours). First semester—M., T., W., T., fourth period. Second summer term—Daily, sixth and seventh periods. Laboratory fee, \$4.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 231. (New). Descriptive Geometry. (Same as Mathematics 231). (2 hours). Offered on demand. Laboratory fee, \$4.00.

Prerequisite: Mathematics 131.

Purpose: It is the purpose of this course to give broad training in the principles and applications of descriptive geometry.

Topics: Determination of lines and points in space, development of surfaces and patterns, theory of orthographic and oblique projections.

Industrial Arts 233. (Formerly 111). Industrial Arts Design. (2 hours). Second semester—Tu., Th., first period. Laboratory fee, \$4.00.

Prerequisite: Elementary Mechanical Drawing or Public School Art.

Purpose: To give the student a working knowledge of applied

industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual class room work is done in designing and rendering with pencil, pen, ink, and color.

Industrial Arts 237. (Formerly 113). Home Planning and Decoration. (2 hours). Second semester—Tu., Th., fourth period. Laboratory fee, \$4.00.

Prerequisite: Freehand drawing or Elementary Mechanical Drawing.

Purpose: Course is designed to acquaint manual training, home economics, and art students with simple home planning and decoration.

Topics: A study of the construction of houses, methods of making convenient plans, location on the lot, landscaping, and garden furniture. A limited amount of laboratory work in interior decoration is attempted.

Industrial Arts 242. Advanced Cabinet Making and Mill Work. (2 hours). Second semester—M., T., W., T., sixth period. First summer term—Daily, sixth and seventh periods. Laboratory fee, \$4.00.

Prerequisites: Elementary Cabinet Making and Elementary Cabinet Drawing.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 244. (Formerly 106a). Elementary Wood Turning. (2 hours). By appointment. Laboratory fee, \$4.00.

Prerequisite: Elementary Cabinet Making.

Purpose: To teach the student the use of the modern power wood lathe.

Topics: Discourse deals with the various methods in turning in hard and soft wood; it includes work between centers, face plate and chuck turning, finishing and polishing, and the sharpening and care of tools used. Speed for different types of stock, the various materials used in turning and turning as a trade are also included.

Industrial Arts 245. (Formerly 106b). Advanced Wood Turning. (2 hours). By appointment. Laboratory fee, \$4.00.

Prerequisite: Elementary Wood Turning.

Purpose: To give the student additional information and practice in the use of the lathe.

Topics: In this course the student designs his own projects. The different types of lathes, logical arrangements in shop, management, and the teaching of wood turning will receive special attention.

Industrial Arts 249. (New). Wood Finishing and Decoration. (2 hours). Offered on demand. Laboratory fee, \$4.00.

Prerequisite: Elementary Cabinet Making.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the method and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. Auto Mechanics. (2 hours). First semester—M., W., seventh and eighth periods. Laboratory fee, \$4.00.

Prerequisite: Elementary Mechanical Drawing.

Purpose: Given to acquaint the student with the theory of gas engine and automobile assembly.

Topics: A study of the various parts of the automobile, such as axles, springs, transmission, power plants, and repair jobs on these units. A thorough study of electricity as applied to the automobile, including storage batteries, ignition, wiring, starters, generators, and lighting is included.

Industrial Arts 292. Elementary Machine Drawing. (2 hours). First semester—T., W., T., F., first period. Second semester—T., W., T., F., first period. First summer term—Daily, first and second periods. Second summer term—Daily, first and second periods. Laboratory fee, \$4.00.

Prerequisite: Elementary Mechanical Drawing.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts, and conventions. The student secures his problem from perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 294. Elementary Architectural Drawing. (2 hours). First semester—T., W., T., F., first period. Second semester—T., W., T., F., first period. First summer term—Daily, first and second periods. Second summer term—Daily, first and second periods. Laboratory fee, \$4.00.

Prerequisite: Elementary Mechanical Drawing.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering; drawing from cast; sketching; lectures.

Industrial Arts 299. (New). Lettering (1 hour). First semester—Tu., Th., third period. Second semester—Tu., Th., third period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period. Laboratory fee, \$2.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 361. (New). History and Organization of Industrial Arts. (2 hours). Second semester—M., W., fourth period.

Prerequisite: General Psychology or six hours of Industrial Arts.

Purpose: To give the student a historical background and information concerning the organization of Industrial Arts.

Topics: A review of the development of educational hand work in Europe and the influence of this work on the manual and Industrial Arts movement in the United States. Organization of Industrial Arts is discussed as to purposes, arrangement of courses, equipment, plans of school shop, and method of presentation and supervision.

Industrial Arts 364. (Formerly 114). Vocational Education. (2 hours). Second semester—T., T., fourth period.

Prerequisite: Open only to advanced students who present evidence of ability and fitness for supervisory work, or who have pursued two years' work in college.

Purpose: An informational course dealing with the different phases of vocational education.

Topics: A study will be made of the development and growth of the industrial movement in the United States, including the various types of schools, such as trade, continuation, part time, pre-vocational, and vocational, also trade and school surveys, State and Federal legislation and regulation.

Industrial Arts 366. Teaching and Supervision of Industrial Arts. (2 hours). Offered on demand.

Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, and system of grading.

DEPARTMENT OF LIBRARY SCIENCE

Miss Davies

Library Science 166. (Formerly English 166). Library Methods. (1 hour). First semester—Section I, M., W., seventh period. Section II, T., T., sixth period. Section III, T., T., seventh period. Second semester—Section I, M., W., sixth period. Section II, T., T., second period. Section III, M., W., fourth period. Section IV, M., W., second period. First summer term—Section I, M., W., F., three weeks, and W., F., three weeks, seventh period. Section II, T., T., three weeks and M., T., T., three weeks, seventh period. Second summer term—Section I, M., W., F., three weeks and W., F., three weeks, seventh period. Section II, T., T., three weeks and M., T., T., three weeks, seventh period.

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliography, and printed aids in book selection.

Required of all freshmen and carrying credit only in the freshman year. Not counted as credit on minor in Library Science.

Library Science 265. Library Work with Children. (2 hours). Second semester—T., T., third period. Second summer term—Daily, second period.

Purpose: To familiarize those who wish to work in school libraries with the practices of library service to children.

Topics: Planning and equipment of the room, discipline, reference work with children, social and economic problems of the community that affect library work with children. Field work or laboratory practice in our Training School library and other libraries.

Library Science 269. (New). Books and Reading. (2 hours). First semester—T., T., third period. Second semester—M., W., seventh period.

Purpose: Reading for familiarity with books other than textbooks in each subject taught in the elementary school, and a study of ways to interest children in reading and to direct their reading.

Topics: Many books suitable for use in each grade and subject will be read or sampled in order to give the student direct contact with the books children like to read. The interest elements which govern children's reading at different ages will be studied and criteria set up for selecting other books that will be equally interesting. Methods and devices used in arousing interest and in guiding and directing reading will be studied and appraised.

Library Science 360. Administration. (2 hours). First semester—T., T., second period. First summer term—Daily, sixth period.

Purpose: A study of the problems of the school library, including its organization, maintenance and control, planning and equipment, together with the relation of the librarian to the administrative officers, faculty and students, and the principal's part in its administration.

Topics: Problems and assigned readings concerning the place, function, administration and opportunity of the library in the modern school. Observation and practice in the school library, visits to nearby school libraries will supplement the class work. Individual projects are worked out in student's field of interest.

Library 361. Cataloging and Classification. (3 hours). First semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: This course teaches the principles of dictionary cataloging and classification necessary in school libraries.

Topics: Attention is given to methods of classifying books; subject headings, shelf-listing, ordering and use of Library of Congress cards; and, to the alphabetical arrangement of cards. Instruction is based on the A. L. A. and Fellow's "Catalog Rules". Dewey's "Decimal Classification", and Sears' "List of Subject Headings for Small Libraries." The work includes practice in cataloging and classification.

Library Science 363. Reference and Bibliography. (3 hours). First semester—M., W., F., first period. First summer term—Daily, first period. (2 hours).

Purpose: This course is planned to make students thoroughly familiar with the content and use of reference books in those fields which are most useful in a school library, and to teach practical methods of doing research and reference work.

Topics: A comparative study will be made of dictionaries, encyclopedias, indexes, and handbooks as well as government documents and other reference materials. Periodicals and free material will be studied and evaluated and practice will be given in building up vertical file collections of clippings, pamphlets, and pictures. Problems involving the use of materials available in the library will be assigned and the preparation of various bibliographies required.

Library Science 367. Book Selection. (2 hours). Second semester—T., T., sixth period. Second summer term—Daily, sixth period.

Purpose: The major aim of this course is to develop facilities in the judging of books accurately and quickly for school library purchase.

Topics: A critical study of the principal aids to books selection; the checking of current book lists, discussion of American publishers and a study of their special editions; examining, reading and reviewing selected books from various classes, such as: literature, science,

history, etc., keeping in mind a well-balanced collection; practice in writing book notes; a comparative study of trade bibliographies; possible picture collections and accumulation of such materials as might be needed by debate clubs, etc.

Library Science 369. Adolescent Literature. (2 hours). Second semester—T., T., fourth period. Second summer term—Daily, fourth period.

Purpose: To acquaint students with the books which young people read in order that they may understand the varying appeals that books make to the adolescent boy and girl and thus learn how to select the right book for each reader.

Topics: A survey of the field of adolescent literature with special emphasis on the interests of the adolescent age. A comparative study of different types and classes of books that may be used to satisfy these interests and to broaden and enrich the students experience in the curriculum and extra-curriculum fields of the secondary school. Type books in each interest group will be read and the influence of editions, illustrations, and format will be studied. The selection and evaluation of source material, magazines, classics, modern literature, and free material will also be stressed.

DEPARTMENT OF MATHEMATICS

Mr. Park

Mr. Caldwell

Mr. Engle

Mathematics 107. College Algebra. (3 hours). First semester—Section I, M., W., F., fourth period. Section II, M., W., F., eighth period. Second semester—Section I, T., T., S., first period. Section II, M., W., F., sixth period. Section III, M., W., F., eighth period. First summer term—Section I, daily, first period. Section II, daily, sixth period. Second summer term—Daily, second period. (2 hours).

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 131. (Formerly 104). Solid Geometry. (3 hours). First semester—M., W., F., seventh period.

Purpose: To give the student a knowledge of the fundamentals and applications of solid geometry.

Topics: This course deals with the fundamental propositions, problems, and exercises of solid geometry. Special attention is given to practical applications.

Mathematics 161. Arithmetic for Primary Grades. (3 hours). First semester—Section I, M., W., F., first period. Section II, T., T., S., third period. Section III, M., W., F., sixth period. Second semester—Section I, T., T., S., second period. Section II, M., W., F., fourth period. Section III, M., W., F., seventh period. First summer term—Section I, daily, first period. Section II, daily, second period. Second summer term—Daily, seventh period. (2 hours).

Purposes: (a) To acquaint the student with the aims and purposes of primary arithmetic. (b) To give instruction in the best methods of teaching primary arithmetic. (c) To study the recent investigations relating to the teaching of primary arithmetic.

Topics: This course includes a study of the important topics of primary arithmetic, the value of drill, the place of games in the teaching of arithmetic, the solution of problems and the best methods of teaching primary arithmetic.

Mathematics 162. Arithmetic for Rural Schools. (3 hours). First semester—M., W., F., seventh period. Second semester—Section I, M., W., F., second period. Section II, T., T., S., fourth period. First summer term—Daily, sixth period. (2 hours).

Purpose: To give instruction in the purpose and methods of teaching arithmetic in the one-room rural school.

Topics: This course includes a study of lesson plans, assignments, drills, games, solution of problems and methods of teaching arithmetic.

Mathematics 163. Arithmetic for Upper Grades. (3 hours). First semester—T., T., S., second period. Second semester—Section I, T., T., S., third period. Section II, M., W., F., eighth period. First summer term—Daily, seventh period. Second summer term—Daily, fourth period. (2 hours).

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems and methods of teaching arithmetic in the upper grades.

Topics: Aims of arithmetic in the upper grades, value types of problems, lesson assignments, examinations, importance of accuracy and speed, best methods of teaching the different topics.

Mathematics 207. College Algebra. (2 hours). First semester—T., T., seventh period. Second semester—T., T., seventh period. First summer term—Daily, seventh period.

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of complex numbers, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 213. Trigonometry. (3 hours). First semester—T., T., S., second period. Second semester—T., T., S., third period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period. (2 hours).

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas functions in the unit circle.

Mathematics 214. Trigonometry. (2 hours). Second semester—T., T., eighth period.

Prerequisites: 107 and 213.

Purpose: This course is intended to give the student thorough instruction in the advanced topics of plane trigonometry and in the principles of spherical trigonometry.

Topics: This course includes a study of graphs and functions, identities and equations, applications to algebra, and the principles of spherical trigonometry. Special attention is given to practical applications.

Mathematics 221. General Astronomy. (3 hours). First semester—M., W., F., seventh period. Second semester—M., W., F., second period. Second summer term—Daily, sixth period. (2 hours).

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 231. Descriptive Geometry. (2 hours). Offered on demand.

Prerequisite: Mathematics 131.

Purpose: It is the purpose of this course to give broad training in the principles and applications of descriptive geometry.

Topics: Determination of lines and points in space, development of surfaces and patterns, theory of orthographic and oblique projections.

Mathematics 232. Analytic Geometry. (5 hours). First semester—M., T., W., T., F., first period. Second semester—M., T., W., T., F., sixth period. First summer term—Daily, second and eighth periods. Second summer term—Daily, second and seventh periods. (4 hours).

Prerequisites: Mathematics 107 and 213.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to the straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar coordinates.

Mathematics 241. (Formerly 121). Statistics and Graphs. (2 hours). First semester—T., T., fourth period. First summer term—Daily, sixth period.

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, coefficients of correlation, theory of probability, and graphic methods.

Mathematics 267. (Formerly 112). Teaching of High School Mathematics. (4 hours). Second semester—M., T., W., T., seventh period.

Prerequisite: Ten hours of college mathematics or consent of Dean and Head of the Department.

Purpose: (a) To give instruction in the aims and importance of high school mathematics. (b) To give the student a knowledge of the development of mathematics and its place in the secondary school. (c) To give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

Mathematics 307. Theory of Equations. (3 hours). Offered on demand. (2 hours).

Prerequisites: 207 and 213.

Purpose: To acquaint the student with theory of algebraic equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 351. Differential Calculus. (5 hours). First semester—M., T., W., T., F., fourth period. Second semester—M., T., W., T., F., sixth period. First summer term—Daily, second and sixth periods. (4 hours).

Prerequisites: Mathematics 107, 213, and 232.

Purpose: To teach the fundamental principles, problems and practical application of differential calculus.

Topics: Theory of limits, differentiation, simple applications of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 352. Integral Calculus. (3 hours). First semester—M., W., F., second period. Second semester—M., W., F., fifth period. Second summer term—Daily, fifth period. (2 hours).

Prerequisite: 351.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Contents: This course includes a study of integrations, definite integral, integration of rational fractions, reduction formulas and successive integration.

Mathematics 353. Differential Equations. (3 hours). First semester—M., W., F., sixth period.

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 354. Advanced Calculus. (3 hours). Second semester—M., W., F., fourth period.

Prerequisite: Mathematics 352.

Purpose: To fulfill the need of a more extensive course than that given in elementary calculus.

Topics: This course covers indeterminate forms, power series, partial differentiation, implicit functions and applications to geometry.

Mathematics 355. Advanced Calculus. (2 hours). First summer term—Daily, fifth period.

Prerequisite: Mathematics 354.

Purpose: To continue study began in Mathematics 353.

Topics: This course covers the definite integral, the gamma and beta functions, line, surface and space integrals, Bessel functions and partial differential equations.

DEPARTMENT OF MUSIC

Mr. Van Peurse
Miss Telford

Mrs. Todd
Miss Hull

Miss Campbell
Mr. Griffith

***Music 11a and 11b.** Piano. Industrial instruction. (No credit). This work may be completed in one year, or it may require more time, according to the ability and application of the student.

Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade studies; Loeschorn, Op. 65, Bk. I.

***Music 31a and 31b.** Violin. Individual instruction. (No credit).

***Music 36a and 36b.** Violoncello. Industrial instruction. (No credit).

Music 151. Harmony I. (2 hours). First semester—M., W., sixth period. First summer term—Daily, first period. Receives credit only upon satisfactory completion of Music 152.

Purpose: To provide an elementary knowledge of the construction classification, and progression of chords.

Topics: Major and minor scales, intervals; triads; dominant seventh with its resolutions; inversions; harmony at the keyboard.

Music 152. Sight Singing and Ear Training. (1 hour). First semester—T., T., sixth period. First summer term—Daily, second period. Receives credit only upon satisfactory completion of Music 151. Required for major.

Purpose: To begin development of aural perception of music symbols; to teach association of the symbol with the tone it represents; to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups; verbal and tonal dictation, interval drill.

Music 153. Harmony II. (2 hours). Second semester—M., W., sixth period. First summer term—Daily, sixth period. Receives credit only upon satisfactory completion of music 154. A continuation of Music 151.

Topics: Modulation by dominant seventh; cadence in new key; common chord modulation dominant ninth; chords of the seventh; harmony at the keyboard.

Music 154. Sight Singing and Ear Training II. (1 hour). Second semester—T., T., sixth period. First summer term—Daily, fourth period. Receives credit only upon satisfactory completion of Music 153. A continuation of Music 152.

Topics: More difficult sight singing and tonal dictation; simple harmonic recognition; more complex rhythms.

Music 161. Music for Elementary Grades. (2 hours). First semester—M., T., W., T., F., second period. Second semester—M., T., W., T., F., fourth period. First summer term—Daily, seventh period. Second summer term—Daily, second period. (1 hour).

Purpose: To acquaint the student with methods of teaching music in elementary grades; to furnish student with materials; to begin study of music appreciation.

Topics: Aims of music in elementary grades; child voice; rote song; easy sight reading; rhythm band.

Music 162. Music for Rural Schools. (2 hours). First semester—M., T., W., T., F., fourth period. Second semester—M., T., W., T., F., second period. First summer term—Daily, fourth period. Second summer term—Daily, first period. (1 hour).

Purpose: To acquaint the student with methods of teaching music in the rural school; to furnish the student with materials for use in the school; to introduce work in music appreciation for the rural school.

Topics: Aims and importance of music in the rural school; rote songs; easy sight reading; baton technique.

Music 163. Music for Intermediate Grades. (2 hours). First semester—M., T., W., T., F., sixth period. Second semester—M., T., W., T., F., sixth period. First summer term—Daily, second period. Second summer term—Daily, fifth period. (1 hour).

Purpose: To acquaint the student with methods of teaching music in the intermediate grades; to furnish student with materials for use in these grades; to study music apprehension materials.

Topics: Aims of music in intermediate grades; rote song; rote to note; easy sight reading; baton technique.

Music 201. Music Appreciation. (2 hours). First semester—M., W., F., fourth period. Second semester—M., W., F., first period. First summer term—Daily, seventh period. Second summer term—Daily, fourth period.

Purpose: To foster a greater understanding of, and love for, good music.

Content: The best music of all times, reproduced on the phonograph; absolute and program music; form in music; recognition of instrumental timbre; lives of great composers.

Music 202. Music History. (2 hours). First semester—T., T., third period. First summer term—Daily, sixth period.

Purpose: To study history for its cultural and appreciative value.

Content: The development of ancient and medieval music, and the lives of musicians up to and including the time Beethoven. Illustrated with phonograph records.

Music 203. Music History. (2 hours). Second semester—T., T., third period. First summer term—Daily, first period.

A continuation of 202. The music and lives of the great composers since Beethoven.

***Music 211a and 211b.** Piano. Individual instruction. (2 hours). Schmitt Preparatory Exercises.

All major and minor scales in parallel motion. Tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carrol, Book for Beginners; Clementi, Easy Sonatinas, Op. 36.

***Music 212a and 212b.** Piano. Individual instruction. (2 hours). Schmitt Preparatory Exercises.

Major and minor scales in parallel and contra motion. Tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy, Op. 120; Bach, Little Preludes; Clementi and Kuhlau Sonatinas.

***Music 213a and 213b.** Piano. Individual instruction. (2 hours). Wolff, The Little Pischna.

Major and minor scales in parallel and contra motion; tonic broken chords with inversions; tonic and diminished seventh arpeggi.

Czerny, Op. 299, Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

***Music 214a and 214b.** Piano. Individual instruction. (2 hours). Philipp, Exercises Pratiques; or Pischna.

Major and minor scales in thirds, sixths, and tenths; tonic, dominant, and diminished seventh arpeggi and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, Three Part Inventions; Sonatas by Mozart and Haydn.

***Music 215a and 215b.** Piano. Individual instructions. (2 hours). Philipp: Pischna, Exercises Journaliers.

Scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradus ad Parnassum.

Beethoven, sonatas.

***Music 221a and 221b.** Voice. Individual instruction. (2 hours).

Breathing exercises conducive to correct breathing. Diction, with emphasis placed on vowel formation.

Technical exercises to fit the individual need of the student.

Sieber studies. Simple sacred and secular songs.

***Music 222a and 222b.** Voice. Individual instruction. (2 hours).

A continuation of the fundamentals introduced in the first year's work.

Scales, with emphasis on evenness of scale.

Vaccari and Marchesi studies. Songs from the English, Italian and German schools.

***Music 223a and 223b.** Voice. Individual instruction. (2 hours).

Continuation of scales, supplemented by other exercises leading to more rapid vocalization.

Ponofka studies.

Art songs, with attention to interpretation and artistic performance.

***Music 224a and 224b.** Voice. Individual instruction. Advanced technical exercises.

Selections from the standard operas and oratorios. Songs in French, Italian, and Classical Leïder.

***Music 231a and 231b.** Violin. Individual instruction. (2 hours).

***Music 232a and 232b.** Violin. Individual instruction. (2 hours).

***Music 236a and 236b.** Violoncello. Individual instruction. (2 hours).

Music 238a and 238b. Stringed Instrument Class. (1 hour). Hours to be arranged with instructor.

Purpose: To prepare teachers of instrumental music in the schools.

Topics: Some ability on a stringed instrument; familiarity with them all (violin, viola, cello, bass); class lesson procedure and materials.

Music 248a. Wind Instrument Class. (1 hour). Hours to be arranged with instructor.

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. Harmony III. (2 hours). First semester—M., W., seventh period.

A continuation of Music 153.

Music 252. Sight Singing and Ear Training III. (1 hour). First semester—T., T., seventh period.

A continuation of Music 154.

Music 253. Harmony IV. (2 hours). Second semester—M., W., seventh period.

A continuation of Music 251.

Music 254. Sight Singing and Ear Training IV. (1 hour). Second semester—T., T., seventh period.

Music 261. Public School Music I. (2 hours). First semester—T., T., eighth period. Second semester—T., T., eighth period. First summer term—Daily, eighth period.

Purpose: To prepare the student for the teaching and supervision of music in the grades; to acquaint him with methods and materials.

Topics: Child voice; rote song; observation song; music reading; interpretation; rhythm activities; appreciation lessons; song literature; music series; flash cards; operettas, rhythm band materials.

Music 262. Public School Music II. (2 hours). Not offered 1931-32.

Purpose: To train student to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton; tempo; attack; release; phrasing; dynamics; seating of the chorus and orchestra; discipline of rehearsals; community music.

Music 361. Public School Music III. (2 hours). Not offered 1931-32. For majors only.

Purpose: To prepare the student for the varied activities of the music supervisor in the high school and grades.

Topics: Acquaintance with entire field of school music; music in the junior and senior high school; the instrumental field; outlines for music work; bibliography.

***Individual Instruction, (Piano, Voice, Violin, Cello):**

Two half-hour lessons per week.....	\$27.00
One half-hour lesson per week.....	18.00
Practice room with piano one hour daily, one semester	5.00



AUTUMN ON THE CAMPUS

This photograph shows Roark Building, Coates Administration Building, and a glimpse of the President's Home.

DEPARTMENT OF PHYSICAL EDUCATION

Mr. McDonough
Mr. Hughes
Miss Hood

Mr. Hembree
Miss Hughes
Mr. Portwood

Physical Education 110. Recreational Activities. First semester—hours to be arranged ($\frac{1}{2}$ hour). Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term, hours to be arranged. ($\frac{1}{4}$ hour). Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). Fee, 50c.

Purpose: To cultivate in the individual the desirable attitude toward play in relation to the proper use of leisure time. Sports with the greatest carry-over and games requiring minimum equipment are stressed.

Activities: An opportunity will be given the individual under the leadership of an instructor to engage in such activities as volley ball, playground baseball, cageball, soccer football, speedball, hockey, tennis, track and field apparatus, tumbling, boxing and other games and sports suitable for use on the field or in the gymnasium.

Physical Education 111. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour). Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. ($\frac{1}{4}$ hour). Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). A continuation of Physical Welfare 110. Required of all Freshmen in their second semester. Fee, 50c.

Physical Education 112. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour). Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. ($\frac{1}{4}$ hour). A continuation of Physical Welfare 111. Required of all Sophomores in their first semester. Fee, 50c.

Physical Education 113. Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour). Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. ($\frac{1}{4}$ hour). Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). A continuation of Physical Welfare 112. Fee, 50c.

Physical Education 114. Plays and Games. (2 hours). First semester—M., W., F., seventh period. Second semester—M., W., F., first period. First summer term—Daily, second period. (1 hour). Fee, 50c.

Purpose: This course is designed for teachers in rural and urban schools who are required to conduct plays and games.

Topics: Plays and games will be taught and adapted to school-room, playground, and gymnasium. Games with elements of fleeing,

dodging, running, throwing, and various tag and "it" games will be included in the course.

Physical Education 115. Folk Dancing. (1 hour). First semester—T., T., first period. Second semester—T., T., first period. First summer term—Daily, second period. Fee, 50c.

Purpose: To offer the teacher rhythmical materials for teaching under various conditions.

Topics: Rhythm plays, folk dancing and national dances. Graded for different levels of school organization.

Physical Education 130. Combative Activities. (1 hour). Second semester—T., T., S., fourth period. First summer term—Daily, first period.

Purpose: A course designed for physical education majors, minors, and varsity athletes for the purpose of teaching self-defense and conditioning through combative activities.

Topics: Boxing and wrestling.

Physical Education 131. Athletics for Women. (1 hour). Second semester—T., T., S., fourth period. Second summer term—Daily, fourth period.

Purpose: Participation in the various athletic activities suitable for women.

Topics: Track and field, volley ball, tennis, hockey, soccer, archery, and moderate athletic activities.

Physical Education 210. (New). Recreational Activities. First semester—hours to be arranged. Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). Continuation of Physical Education 113. Designed for majors in Physical Education. Junior requirement.

Physical Education 211. (New). Recreational Activities. Second semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). Continuation of Physical Education 210. Required of all junior physical education majors, second semester. Fee, 50c.

Physical Education 212. (New). Recreational Activities. First semester—hours to be arranged. ($\frac{1}{2}$ hour). First summer term—hours to be arranged. ($\frac{1}{4}$ hour). Required of all physical education majors, senior in their first semester. Fee, 50c.

Physical Education 213. (New). Recreational Activities. Second semester—hours to be arranged. ($\frac{1}{2}$ hour). Second summer term—hours to be arranged. ($\frac{1}{4}$ hour). Required of all senior physical education majors in their second semester. Fee, 50c.

Physical Education 214. Natural Dancing. (1 hour). Second semester—T., T., third period. Second summer term—Daily, second period.

Purpose: To interpret music through dancing, give training in rhythm, etc.

Topics: Solo and group dances are presented which are adaptable to outdoor festivals and pageants.

Physical Education 215. Advanced Dancing. (1 hour). Second semester—T., T., second period. Second summer term—Daily, first period. Fee, 50c.

Prerequisites: Physical Education 115 and 214.

Purpose: Practical consideration to dances concerned in festivals, drama, and concerts.

Topics: New materials in natural, folk, and athletic dances with a continuation and progress in technique.

Physical Education 221. (2 hours). History of Physical Education. Second semester—T., T., fifth period.

Purpose: To set forth the characteristics of different stages and phases through which physical education has passed; introduce persons who have contributed to its advancement and to single out the relationship which physical education has borne to general education throughout its history.

Topics: Gymnastics of early Greeks, Romans and later European systems are discussed. The play, recreation, camping, child health, boy and girl scout and athletic movements; recent trends and a review of state and national legislation.

Physical Education 230. Developmental Athletics. (Men). (1 hour). First semester—T., T., S., third period. First summer term—Daily, fourth period.

Purpose: To teach athletic games, break them up into their elements, teach as skills; games to be reconstructed and moderated to meet various conditions.

Topics: Soccer, hockey, basketball, baseball, football, tennis, and volley ball.

Physical Education 231. Mass Athletics. (2 hours). Second semester—T., T., S., third period. Second summer term—Daily, second period. (1 hour).

Prerequisite: Physical Education 230.

Purpose: Participation, practice and teaching of activities of Physical Education 230.

Topics: Athletic games, schedules, classification tournaments, point systems and awards.

Physical Education 233. Self-Testing Activities. (1 hour). Second semester—M., W., F., second period.

Purpose: Acquiring of skills on apparatus and mats.

Topics: Tumbling, stunts on "elephant" and parallel bars; horse and back; improvised apparatus; methods of assisting on apparatus for safety sake.

Physical Education 240. (New). Singing Games. (1 hour). First semester—M., W., F., fifth period. First summer term—Daily, fifth period.

Purpose: A course designed for teachers of young children, materials adapted to school room and playground.

Topics: Singing games, dramatic actions, rhythms and story plays.

Physical Education 250. Scouting and Clubcraft. (3 hours). Second semester—Lecture, M., F., seventh period. Laboratory, Wednesday, seventh and eighth periods. Second summer term—Lecture, M., T., T., seventh period. Laboratory, W., F., seventh and eighth periods. (2 hours).

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting; practical scoutcraft and clubcraft is emphasized; Scoutmasters' certificate is awarded to all completing the course.

Physical Education 251. Clubcraft. (3 hours). First semester—Lecture, M., F., seventh period, Laboratory, W., seventh and eighth periods. Second summer term—Lecture, M., T., T., eighth period. Laboratory, W., F., seventh and eighth periods. (2 hours).

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 261. Coaching Basketball for Men. (1 hour). Second semester—T., T., third period. First summer term—Daily, seventh period.

Purpose: Course offered to give prospective coaches a theoretical and practical background.

Topics: Principles of game; requirements for each position; individual and team coaching; systems of offense and defense; interpretation of rules; officiating. Participation on varsity or intramural teams required.

Physical Education 262. Coaching Basketball for Women. (1 hour). Second semester—T., T., seventh period. Second summer term—Daily, sixth period.

Purpose: Designed for women teaching in high schools.

Topics: Discussion of women's athletics; principles of the game; modified girls' rules; systems of offense and defense; interpretation of rules; officiating; how to conduct intramural leagues.

Physical Education 263. Baseball. (1 hour). Second semester—T., T., seventh period. First summer term—Daily, sixth period.

Purpose: Course designed to give prospective coaches a theoretical background as well as an opportunity to participate in baseball.

Topics: Batting, pitching, base running, theory and practice. Team work and individual fielding of each position; how to organize and conduct intramural and interschool schedules.

Physical Education 264. Coaching Football. (1 hour). First semester—T., T., sixth period. Second semester—T., T., sixth period. First summer term—Daily, fourth period.

Purpose: A course designed for players and prospective coaches.

Topics: General principles; systems; generalship; strategy; rules; officiating; equipment, and schedules.

Physical Education 265. Coaching Track and Field Sports. (1 hour). Second semester—T., T., eighth period. First summer term—Daily, eighth period.

Purpose: A course for men preparing to coach in Junior or Senior High School.

Topics: Accepted track and field activities, training methods; organization of meets and field days.

Physical Education 266. Materials and Methods of Teaching Physical Education. (3 hours). First semester—M., W., F., fourth period. First summer term—Daily, sixth period. (2 hours).

Purpose: A professional course for classroom and playground teachers and leaders.

Topics: Mental, social, and hygienic values of physical education; measurement in physical education; study of programs; materials for elementary, Intermediate, and Junior and Senior High School levels; lesson planning and observation.

Physical Education 267. Physical Training Activities. (2 hours). Second semester—M., W., F., fourth period. First summer term—Daily, first period. (1 hour).

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics; dancing; free exercise; hand apparatus; mimetics and games.

Physical Education 268. Advanced Physical Training Activities. (2 hours). Second semester—M., W., F., fourth period. Second summer term—Daily, first period.

Prerequisite: Physical Education 267

Purpose: Continuation of Physical Education 267.

Topics: Advanced tactics, drills for exhibitions; natural exercises; pyramid building; games; opportunity for leadership and practice teaching.

Physical Education 275. Clog and Character Dancing. (1 hour). Second semester—T., T., seventh period. First summer term—Daily, fourth period.

Purpose: Teaching dances and rhythmic step of a vigorous nature.

Activities: Stunts; athletic dancing; folk character and clog steps.

Physical Education 310. Swimming. (1 hour). First and second semester. First and second summer terms. Three days a week, hours to be arranged.

Purpose: Elementary swimming for beginners.

Topics: Elimination of fear in water; brink method for teaching swimming; breast stroke; recreational swimming.

Physical Education 311. Swimming and Water Sports. (1 hour). Second semester—Three days a week, hours to be arranged. Second summer term—Three days a week, hours to be arranged.

Purpose: A course designed for swimmers who are prepared for advanced work.

Topics: Practice of various strokes; diving, and water games.

Physical Education 360. Advanced Swimming and Life Saving. (1 hour). Second semester—Three days a week, hours to be arranged. First summer term—Daily, hours to be arranged.

Purpose: A course in methods and life saving.

Topics: Practice of various strokes; under water swimming; diving; instruction in junior and senior life saving requirements as prescribed by the American Red Cross.

Physical Education 363. Principles of Physical Education. (3 hours). Second semester—M., W., F., seventh period. Second summer term—Daily, second period. (2 hours).

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education; sources and data of principles; aims and objectives; psychology of Physical Education; standards and tests.

Physical Education 368. Organization and Administration. (2 hours). Second semester—Hours to be arranged.

Purpose: Designed for majors and physical education, dealing with administrative problems in small school systems, county, and city, also for principals.

Topics: Aims and methods; classification; supervisory problems; schedule making; discipline; construction of apparatus playgrounds and playing fields; equipment for small gymnasiums and enclosed play areas.

DEPARTMENT OF PHYSICS

Mr. Hummell

Physics 101. Introduction to General Physics. (3 hours). First semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: To acquaint the student with the nature of the science of Physics and its applications. It is not intended to prepare the student to teach Science or Physics in the high school.

Topics: The course consists of a series of lectures and demonstrations of the fundamental principles of mechanics, sound, heat, electricity, magnetism, and light. Written quizzes will be given after each group of eight or nine lectures.

Physics 102. Household Physics. (3 hours). Second semester—M., W., F., seventh period. Open to students majoring or minoring in Home Economics.

Purpose: To study the principles of Physics and their applications in the home.

Topics: Lectures with experimental demonstrations.

Physics 201. Mechanics and Heat. (5 hours). First semester—Lecture, M., W., F., second period. Laboratory, T., T., second and third periods. Second semester—Lecture, M., W., F., fourth period. Laboratory, T., T., third and fourth periods. First summer term—Lecture, daily, second period. Laboratory, daily, sixth and seventh periods. (4 hours). Laboratory fee, \$2.00.

Prerequisites: Mathematics 107 or Junior standing, Mathematics 213, or registration in Mathematics 213.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach Physics in high school, but also for those who expect to enter the field of engineering.

Topics: Falling bodies. Newton's laws of motion and applications to practical problems. Curvilinear motion. Composition and resolution of forces. The laws of equilibrium and their application to various problems. Work and energy. Machines. Momentum. Elasticity. Simple Harmonic Motion. Hydrodynamics. Heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Sound, and Light. (5 hours). Second semester—Lecture, M., W., F., second period. Laboratory, Tu., Th., first and second periods. Second summer term—Lecture, daily, first period. Laboratory, daily, sixth and seventh periods. (4 hours). Laboratory fee, \$2.00.

Prerequisite: Physics 201.

This course is a continuation of Physics 201, and should be taken

by the student who expects to teach Physics or General Science in high school, or to enter the engineering field.

Topics: Electrostatics. The nature of electricity. Properties of a moving electric charge (chemical, heating, and magnetic effects). Magnetism. Ohm's law. Measurement of electrical quantities. Sources of electrical energy. Lenz's law. Inductance and capacity. Alternating current. Electric waves and radio.

Physics 301. An Advanced Course in Mechanics. (5 hours). First semester—M., T., W., T., F., first period. Laboratory fee, \$2.00.

Prerequisites: Mathematics 352 and Physics 201 and 202.

This course is given primarily for those majoring, or taking a first minor in Physics. Much stress is put upon the solution of problems.

Physics 302. Introduction to Physics Optics. (3 hours). Second semester—M., W., F., sixth period.

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion. Reflection and refraction. Further study of lenses. The telescope. Dispersion. Facts concerning the spectrum. Interference. Diffraction. Plane Polarized Light. The Electromagnetic theory of light. The Quantum Theory and Origin of Spectra. The dilemma. Can the existence of an ether be detected?

Physics 303. Advanced Heat. (2 hours). First summer term—Daily, first period.

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of heat and its related phenomena.

Topics: Temperature and thermometry. Errors of a mercurial thermometer with their corrections. Expansion of solids, liquids, and gases. Calorimetry. Change of state. The first law of thermodynamics. The Kinetic theory of gases. Carnot's cycle and the second law of thermodynamics. Electrical instruments. Convection and conduction of heat. Radiation.

Physics 304. Advanced Electricity and Magnetism. (2 hours). Second summer term—Daily, second period.

Prerequisites: Physics 201, 202, and Mathematics 351.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism. The electric current. Electrostatics. Electrolysis. Thermo-electricity. Electromagnetics. Alternating currents. Electromagnetic radiation. Conduction in gases. Electrons and atoms.

Physics 305. A Laboratory Course in Electrical Measurements. (2 hours). First semester—Tu., Th., sixth and seventh periods.

Prerequisites: Physics 201 and 202.

Purpose: To acquaint the student with the use of a "Test Set" for electrical measurements in commercial practice, and also with laboratory methods.

Topics: Bridge methods and the direct deflection method of measuring resistances. Checking up Ammeters and Voltmeters. Capacity and inductance measurements. Testing out grounds.

Physics 306. A History of Physics. (1 hour). Offered on demand.

Prerequisites: Physics 201 and 202.



UNIVERSITY BUILDING

DEPARTMENT OF SOCIAL SCIENCE

Mr. Keith
Mr. Dorris
Miss Pollitt

Mr. Moore
Mr. Adams
Miss Floyd

Social Science 102. American History from the Beginning to 1829. (3 hours). First semester—Section I, M., W., F., first period. Section II, M., W., F., second period. Section III, M., W., F., eighth period. Second semester—Section I, M., W., F., first period. Section II, T., T., S., first period. First summer term—Daily, first period. Second summer term—Daily, sixth period. (2 hours).

Purpose: The purpose of this course is to familiarize the student with the general content of American History from Discovery to the Jackson Administration. Stress is placed on the bibliography and sources of materials for study of American History.

Topics: The discovery, exploration and conquest by nations; colonization; drift of the colonies from the Motherland and eventual revolution; establishment of government and a powerful nation; the beginning of the slavery controversy.

This course is required of all majors and minors in the Social Science Department.

Social Science 103. American History from 1829 to the Present. (3 hours). First semester—Section I, M., W., F., second period. Second semester—Section I, M., W., F., eighth period. Section II, M., W., F., seventh period. First summer term—Daily, seventh period. (2 hours).

Purpose: It is the purpose of this course to acquaint the student with the general content and methods of studying and presenting American History from Jackson to the present. An effort is made to acquaint the student with the literature of American History.

Topics: The course dwells upon the continuation of the slavery controversy to the climax of the civil war; reconstruction; mechanical inventions, business and labor organizations; foreign war; imperialism; arbitration and Peace movements.

Required of all majors and minors in the Social Science Department.

Social Science 111. American Government and Citizenship. (3 hours). First semester—T., T., S., second period. Second semester—M., W., F., eighth period. First summer term—Daily, second period. Second summer term—Daily, seventh period. (2 hours).

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government.

Topics: Local, State and National Government; organization of the various departments of government with their functions and opera-

tion; political organization and the influence of political parties; ideals of correct organization of government and its just function.

Social Science 121. Economics. (3 hours). (See Commerce 124).

Social Science 122. Principles of Economics. (3 hours). (See Commerce 125).

Social Science 141. Medieval History from about 476 to 1500. (3 hours). First semester—T., T., S., third period.

Purpose: To familiarize the student with the general course of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period.

Topics: The migration of tribes; the rise of nationalities; medieval church; the Crusades; the feudal systems of the countries; the hundred years' war.

Required: Either this course or 142 is required of all majors or first minors in the Social Science Department.

Social Science 142. Modern History from 1500 to 1815. (3 hours). Second semester—T., T., S., third period.

Purpose: The purpose of this course is to continue the work of 141 and give the student a general introductory view of modern history, together with an insight into the sources of it.

Topics: The reformation and the religious wars; international rivalry and the rise of new nations; social, economic and industrial history of the period; the rise of liberalism and the coming of the French Revolution; the development of political institutions among the nations.

Required: Either this course or 141 is required of all majors and first minors in the Social Science Department.

Social Science 201. American immigration. (2 hours). Second semester—T., T., second period.

Purpose: The purpose of this course is to give a survey of the entire field of foreign immigration into the United States, together with their living conditions here after arrival.

Topics: Regions and nations from which the immigrants come; assimilation; housing conditions; economic relations; crime; pauperism; selection.

Social Science 222. Practical Economic Problems. (3 hours). (See Commerce 222).

Social Science 231. Sociology. (3 hours). Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. (2 hours).

Purpose: This course is a general course in Introductory Sociology.

Topics: The field covered by sociology; its relation to other sciences; relation of living conditions to life; the problem of finding and using the leaders of the people; social achievement; man's relation to his institutions and responsibility for them; the family, religion and morals.

Social Science 242. English History from 449 to 1600. (3 hours). First semester—M., W., F., sixth period.

Purpose: The purpose of this course is to give the student a general view of the first half of English History; with extensive work in the source material concerning it.

Topics: The coming of the Anglo-Saxon; advance toward nationality; the Norman invasion; English Feudalism; the hundred years' war; legal and political development; the wars of the roses and the fall of feudalism; the Tudor Monarchy.

Social Science 244. Legacy of Greece. (2 hours). (See Foreign Language 212).

Social Science 245. Legacy of Rome. (2 hours). (See Foreign Language 213).

Social Science 261. American History for the Teaching of Primary Grades. (3 hours). Second semester—M., W., F., fourth period. First summer term—Daily, fourth period. Second summer term—Daily, fourth period. (2 hours).

Purpose: It is the purpose of this course to present methods of teaching social science in grades one to five and to illustrate these methods by suitable material for the grades.

Topics: Patriotic exercises, festival days, holidays are considered. Courses of study are consulted. Source material suitable for use in the work is gathered. Plays, games, excursions, places of historic interest are made topics.

Required of all students intending to teach in the primary grades.

Social Science 301. American History. (2 hours). First semester—T., T., sixth period. Second summer term—Daily, first period.

Purpose: The purpose of this course is to acquaint the student with recent American History, beginning about 1890 and continuing up to the current history of the day.

Topics: Organized big business; commerce; expansion; imperialism; tariff, foreign relations; current politics.

Prerequisite: Social Science 102 or 103.

Social Science 305. History of the American West, 1763 to 1890. (3 hours). First semester—M., W., F., seventh period. Second summer term—Daily, second period. (2 hours).

Purpose: The purpose of this course is to show the relations of the development of the West to American History.

Topics: Advancement of the frontier of American advance; Indian wars; irrigation; political relations of the west to the nation; development of democracy, co-education; territorial acquisitions.

Prerequisite: Social Science 102 or 103.

Social Science 306. History of the American South. (3 hours). First semester—M., W., F., fourth period. First summer term—Daily, second period. (2 hours).

Purpose: The purpose of this course is to acquaint the student with the historical literature and the history of the south in its relation to the Union.

Topics: Settlement; peoples; religion; education; government; social and economic conditions; relations to the north and to foreign nations consequent to slavery; the civil war, reconstruction, resumption of progress in all lines.

Prerequisite: Social Science 102 or 103.

Social Science 311. Problems of American Government. (3 hours). Second semester—M., W., F., second period.

Purpose: To teach governmental organization; to give the student some idea of the evils consequent to government, with ideals of correct organizations.

Topics: Problems connected with municipal, state and national government; newer devices in organization and operation of government; problems of exercising the privilege of franchise, problems of various franchises in municipalities and contracts of state and nation; problems of the incidence, levy and collection of taxes.

Prerequisite: Social Science 111.

Social Science 321. American Economic History. (2 hours). (See Commerce 321).

Social Science 341. English History from 1600 to 1714. (2 hours). Second summer term—Daily, fourth period.

Purpose: This course is centered about the Puritan and the English revolutions, and the historical literature of that period.

Topics: Divine Right of James I and Charles I; religious and financial struggles of the time; parliamentary resistance to the course of the first two Stuarts; the "Roundhead" Rebellion; Charles II., James II. and the English Revolution.

Social Science 342. English History from 1700 to the present. (3 hours). Second semester—M., W., F., sixth period.

Purpose: This course is to acquaint the student with the history and historical literature of the period indicated.

Topics: The last of the Stuarts and the accession of the Hanoverians; the struggle for empire; development of British Imperialism; parliamentary reforms of the nineteenth century; influence of political parties; England's place in the "Parliament of Men."

Social Science 344. European History, 1715 to 1815. (3 hours).

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The industrial revolution among the nations; wars partly consequent upon this revolution; rising imperialism among the nations; the French Revolution; reconstruction of the continent.

Prerequisite: Social Science 141 or 142.

Social Science 345. European History from 1815 to the Present. (3 hours).

Purpose: The purpose of this course is to give an intensive study of modern European History and its literature.

Topics: Social economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of socialism—Marx; wars of the century; the merging of the Germanic body into the German Empire; the struggle for naval, industrial and economic mastery and the deluge of the World War.

Prerequisite: Social Science 141 or 142.

Social Science 346. Latin-American History. (2 hours). Second summer term—Second period.

Purpose: The purpose of this course is to acquaint the student with the history and government of our Mexican, Central and South American Nations and their relations to the United States.

Topics: Studies of the history of the main countries involved.

Social Science 351. Foreign Government. (3 hours). First semester—M., W., F., seventh period.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of the nations.

Topics: The rise of governmental institutions of England and her influence among the nations; kingship; parliament; cabinet; ministry; Privy Council; the Swiss system of government and her democracy.

Prerequisite: Social Science 111.

Social Science 352. Foreign Government. (3 hours). Second semester—M., W., F., seventh period.

Purpose: This should be a sequent course to 351, but will not require it as a prerequisite. It will attempt to acquaint the student with the politics and political writings concerning France, Italy, Germany, and Russia.

Topics: The governments of France, Italy, Russia, and Germany.

Prerequisite: Social Science 111.

Social Science 361. Kentucky History. (2 hours). First summer term—Daily, sixth period. Second summer term—Daily, seventh period.

Purpose: To make a general study of Kentucky history; to attempt to show the student the wealth of material for the study of great men and great events in the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky's progress. Occasional excursions to places of historic interest will probably be taken.

DEGREES CONFERRED

CLASS OF 1925

Name	Degree	Address
Bennett, Laura Isabel.....	A. B.....	Richmond
Campbell, Green Washington	A. B.....	Corbin
Floyd, Mary	A. B.....	Richmond
Hart, Benjamin Franklin	A. B.....	Burning Springs
Hume, Elizabeth	A. B.....	Richmond
Lane, Joseph Ernest	A. B.....	Cookeville, Tenn.
Leathers, Hettie Marie	A. B.....	Richmond
Mackey, Alexander B.	A. B.....	Nashville, Tenn.
Mattox, Mary Lou	B. S.....	Richmond
Mullins, Elmer C.	A. B.....	Moreland
Qualls, Daniel Webster	A. B.....	Olive Hill
Shearer, William Morton	A. B.....	Covington
Skinner, Thomas W.	A. B.....	Harrodsburg

CLASS OF 1926

Aaron, William George	A. B.....	Russell Springs
Ammerman, Mary Jane	A. B.....	Cynthiana
Arbuckle, Sara Evans	A. B.....	Richmond
Bowman, Neal S.	A. B.....	Richmond
Carter, Melba W.	A. B.....	Richmond
Case, Emma Young	A. B.....	Richmond
Chadwell, William O.	A. B.....	Island City
Coates, Lana Martine		
(Mrs. Stewart Brabant)	A. B.....	Elkton
Ellis, Henry Lawrence	A. B.....	Louisa
Gullett, William Preston	A. B.....	Stacy Fork
Hood, Claude	A. B.....	Soldier
Little, Eula Baker	A. B.....	Richmond
McMullin, Mrs. Virgil	A. B.....	Richmond
Mainous, Clayton George	A. B.....	Baton Rouge, La.
Mills, Jennings Franklin	A. B.....	Kenton
Mullinix, Edna M.	A. B.....	Richmond
Neikirk, George Archibald	A. B.....	Richmond
North, Elizabeth	A. B.....	Cropper
Riley, Ruth	A. B.....	Covington
Routt, Virginia	A. B.....	Hustonville
Watts, John Brown	A. B.....	Annville
Wells, Lillian Jackson	A. B.....	Nicholasville
Wheeler, Allie Hendren	A. B.....	Richmond

Name	Degree	Address
White, Bessie Mae	A. B.....	Covington
Wilson, Maude	A. B.....	Kirksville
Word, Carroll Emerson	A. B.....	Concord
Yager, Katherine Elizabeth	A. B.....	La Grange

CLASS OF 1927

Bertram, Anna Louise	A. B.....	Vanceburg
Champ, Bernice	A. B.....	Lancaster
Coates, James Dorland	B. S.....	Richmond
Cuppy, Florence Montelle	A. B.....	Dayton
Estes, Eubie Kate	A. B.....	Owenton
Evans, Ethel Lee	A. B.....	Davisburg
Gilmore, Charles M.	B. S.....	Hazard
Hendrix, Dewey	A. B.....	Yeaddies
Jones, John Spencer	A. B.....	Richmond
Jones, John Spencer (Mrs.)	A. B.....	Richmond
King, Sam	A. B.....	Burke
Lingenfelser, Emma Margaret	A. B.....	Richmond
Little, Robert E.	A. B.....	Paint Lick
Moores, Allie Ruth	A. B.....	Richmond
Payne, James Andrew	A. B.....	Cynthiana
Pelley, Thos. Lee	A. B.....	Morning View
Price, Orville	A. B.....	Richmond
Rice, Lawrence K.	A. B.....	Quicksand
Ross, Emma Baker	A. B.....	Marlboro, Mass.
Sloan, Myrtle Mae	A. B.....	Somerset
Soper, Oma Smith	A. B.....	Russell
Triplett, Ishmail	A. B.....	Lackey
Willoughby, Beulah	A. B.....	Richmond

CLASS OF 1928

Acree, C. S.	A. B.....	Florence
Adkins, Robt. Thompson, Jr.....	A. B.....	Mt. Olivet
Ball, Mrs. Dewey	A. B.....	Lancaster
Bell, Ira	A. B.....	Monticello
Carpenter, Katie D.	A. B.....	Richmond
Chambers, Henry Clay	A. B.....	Richmond
Clark, Mabel	A. B.....	Covington
Clift, Lillian Mae	A. B.....	Bellevue
Cummins, Eliza Anderson	A. B.....	Stanford
Farley, Claude H.	B. S.....	Auxier
Fields, Davis S.	A. B.....	Louisville
Goodman, Keener C.	A. B.....	Coxton
Harmon, Judson S.	A. B.....	Prestonsburg

Name	Degree	Address
Hill, Gladys	A. B.....	Richmond
Hubbard, Elizabeth	A. B.....	Richmond
Hurst, Paul Marshall	B. S.....	Morehead
Jones, Fairy	A. B.....	Richmond
Kenney, Mae Kirk	B. S.....	Brooksville
Knarr, Ruth	A. B.....	Ft. Thomas
Little, Daniel B. (deceased).....	A. B.....	Paint Lick
Moberly, Jesse C.	A. B.....	Richmond
Moberly, Mary Earle	A. B.....	Richmond
Pearson, William E.	A. B.....	Waco
Ramsey, Jennie Elizabeth	B. S.....	Benham
Redmond, Mattie	A. B.....	Lawrenceburg
Roberts, Delaine O.	A. B.....	W. Somerset
Stephenson, Lillian G.	A. B.....	Richmond
Taylor, Mrs. Ethel Tudor	A. B.....	Richmond
Wagers, Lawrence	B. S.....	Manchester
Webb, Lela	A. B.....	Burning Springs
Wells, Mrs. Marion Terrell	A. B.....	Richmond
White, P. J.	A. B.....	Harrodsburg
Wilson, Albert	A. B.....	Richmond
Wood, Jesse H.	B. S.....	Pine Knot
Yager, Thomas Clarence	A. B.....	Columbia, S. C.

CLASS OF 1929

Alexander, Chester Raeburn	B. S.....	Dry Ridge
Amis, Otis Cecil	A. B.....	Himyar
Atkinson, Stella Congleton	A. B.....	Slade
Ballard, May Douglas	A. B.....	Richmond
Barret, Mrs. R. T.	A. B.....	Ashland
Bevins, Billie Zetta	A. B.....	Mita
Brooks, Mollie Margaret	A. B.....	Parksville
Calico, Hazel Virginia	B. S.....	Paint Lick
Carpenter, Valley	B. S.....	Harrodsburg
Chandler, Robert Edwin	B. S.....	Lancaster
Clifton, Wilburn Parker	B. S.....	Owenton
Coates, Thomas Henry	A. B.....	Morehead
Combs, Beckham	A. B.....	Whitesburg
Congleton, Mrs. Mary A.	A. B.....	Richmond
Cooper, Vanburen	A. B.....	Caroleen, N. C.
Cord, Emma Harrison	A. B.....	Maysville
Coslow, Mrs. Brunette Money	A. B.....	Fisherville
Douds, Harold Lowen	A. B.....	Carmichaela, Pa.
Dykes, Norma Katherine	A. B.....	Richmond
Ellison, Evelyn	B. S.....	Lincoln
Farris, Mrs. Zola White	A. B.....	Richmond

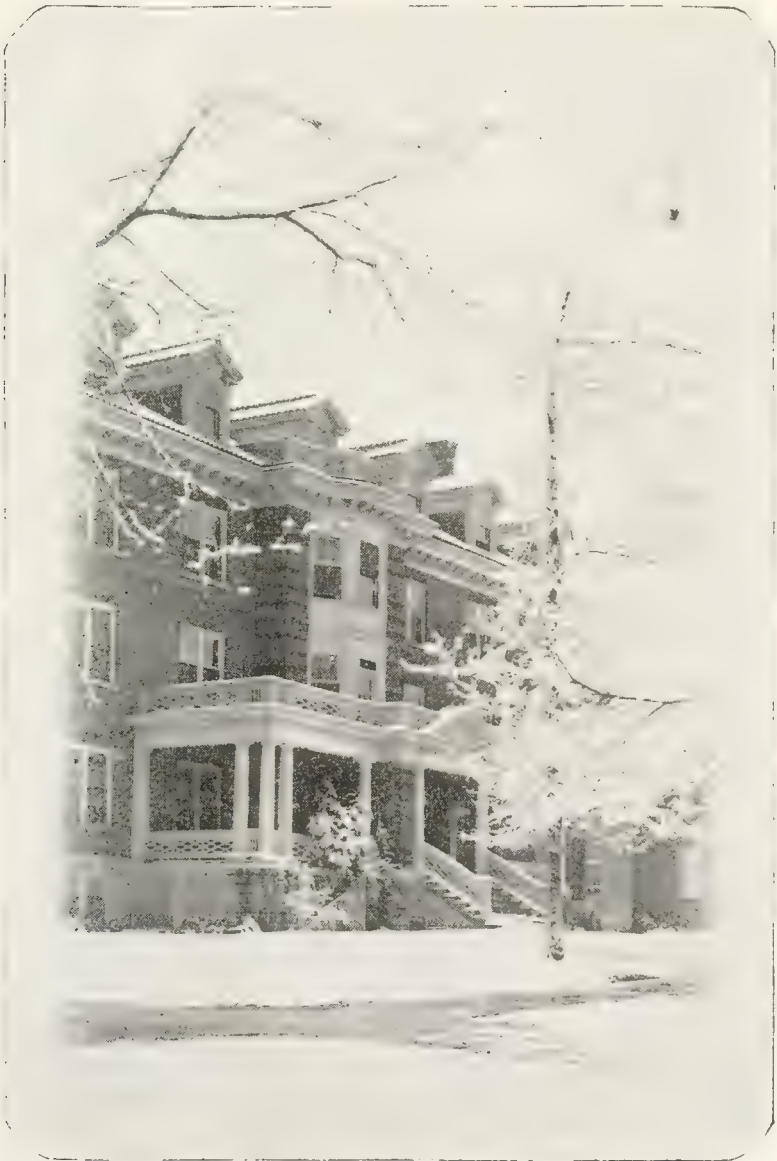
Name	Degree	Address
Fowler, Sudie B.	A. B.	Cynthiana
Galbraith, Shirley	A. B.	Brooksville
Hale, E. B.	A. B.	Whitesburg
Harris, Lelia Jane	A. B.	Richmond
Harrod, Justus Goebel	A. B.	Stanford
Helm, Susan Rietta	B. S.	Simpsonville
Holbrook, Martha	A. B.	Owenton
Hughes, Eliza	B. S.	Richmond
Kelley, Edna Arabellah	B. S.	Berda
Lair, Ruby	A. B.	Monticello
Lee, Viola Higgins	A. B.	Pulaski
Locke, Mrs. Mae Wyan	A. B.	London
McCord, Mary Katherine	A. B.	Richmond
McGuire, Asa Franklin	A. B.	Morehead
McKinney, David Hampton	B. S.	Richmond
Marshall, Clarence W.	A. B.	Campton
Million, Harriet	A. B.	Million
Minter, Edna Kellems	A. B.	Red House
Morris, Roger B.	B. S.	Stanford
Paxton, Mrs. Elmer J.	A. B.	Shelbyville
Paynter, Charles	A. B.	Brooksville
Pennington, John Edgar	A. B.	Webbville
Radford, Betty Buckner	A. B.	Swannanoa, N. C.
Ramsey, Charles P.	A. B.	Manchester
Reynolds, Coleman	A. B.	Finchville
Richards, R. R.	A. B.	Richmond
Ross, Evelyn Ferrell	B. S.	Richmond
Salyers, Robert King	A. B.	Lexington
Skinner, V. Lucretia	A. B.	Harrodsburg
Smith, Robert Luther	A. B.	Perkins
Smith, William Alton	A. B.	Waco
Staton, Lee Roy	A. B.	Snow
Stennett, Mabel O.	A. B.	Russell
Stone, Talton, K.	A. B.	Carrollton
Thompson, Forest Stone	A. B.	Myers
Thompson, Mrs. Forest S.	A. B.	Myers
Wagoner, Thelma May	A. B.	Paris
Ward, Stella	A. B.	Cropper
Watkins, Willie Moss	A. B.	Liberty
Weaver, Mlidred Ethel	B. S.	Loyall
White, Mary Mildred	A. B.	Ashland
Winburn, Hobart	A. B.	Waco

CLASS OF 1930

Arnold, Sue V.	A. B.	Wheatley
Bell, Mrs. Julia Goodpaster	A. B.	Monticello

Name	Degree	Address
Bowen, Maude S.	A. B.	Slade
Broadbush, Hazel	B. S.	Lancaster
Bush, Sallie T.	A. B.	Winchester
Clayton, S. T.	B. S.	Morehouse, Mo.
Cornett, James H.	A. B.	Paint Lick
Cornett, Willie	B. S.	Larue
Daniel, Mary	B. S.	Stanton
Dial, Fred	A. B.	Branchland, W. Va.
Dudley, Mabel	A. B.	Richmond
Elliott, Irene, J.	A. B.	McKinney
Graham, O. J.	B. S.	Springdale
Hammonds, Colonel	A. B.	Paint Lick
Hart, Charles W.	B. S.	Bardstown
Hord, Geneva Jane	A. B.	Richmond
Horton, Herman	A. B.	Johns Run
Humphrey, Clyde Wilson	A. B.	Oil Springs
Jacobs, Richard	A. B.	Cynthiana
McGlosson, Georgiana	A. B.	Richmond
Mahaffey, May	A. B.	Richmond
Martin, Lloyd Lafayette	A. B.	Richmond
Mason, Francis	A. B.	Richmond
Masters, John	B. S.	Paris Crossing, Ind.
Miller, Gladys	A. B.	Parksville
Moore, Willie Griggs	A. B.	Wilmore
Munday, David C.	A. B.	Richmond
Ogg, William E.	A. B.	Berea
Owens, Ethel	A. B.	Mitchellsburg
Parman, Oscar	A. B.	London
Peele, Emily	A. B.	Nicholasville
Pletcher, Jessie Belle	A. B.	Sanborn, N. Y.
Plummer, Charles Milton	A. B.	Paris
Regenstein, Alma	B. S.	Richmond
Reynolds, Lena B.	A. B.	London
Richardson, James R.	A. B.	Richmond
Roe, James Alvin	A. B.	Beechy
Sloas, Nora Virginia	B. S.	Webbville
Slucher, Thelma	A. B.	Barbourville
Smith, Mrs. Alton	A. B.	Waco
Smith, Anna Mae	A. B.	Wasioto
Smith, Eva	B. S.	Frankfort
Stacy, General	A. B.	Ary
Stocker, Mossie	A. B.	Richmond
Stratton, Garland	B. S.	Mayflower
Taphorn, Mary Martha	A. B.	Covington
Tarter, V. K.	B. S.	Whitley City
Tate, Flora	B. S.	Midway

Name	Degree	Address
Telford, Margaret	A. B.	Richmond
Triplett, Henry	B. S.	Corbin
Washburn, Cecil	A. B.	Paris
Washington, Mary	B. S.	Russell
White, J. J.	A. B.	California
Willoughby, Hortense	A. B.	Richmond
Wilson, Huldah F.	A. B.	Covington



SULLIVAN HALL, GIRLS' DORMITORY

Eastern Kentucky State Teachers College

RICHMOND, KENTUCKY

Member

Association of Kentucky Colleges and Universities
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools

CATALOG

1932-33, 1933-34



E A S T E R N K E N T U C K Y R E V I E W

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August, 1932

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1932—The College Calendar—1933

FIRST SEMESTER

September 16, 17	Friday, Saturday.....	Registration of Freshmen
September 19	Monday.....	Registration of Upper Classmen
September 19	Monday.....	Entrance examinations
September 20	Tuesday.....	Classes begin
September 26	Monday.....	Last day to register for full load
October 11	Tuesday.....	Last day to register for credit
November 25	Thursday.....	Thanksgiving (Holiday)
December 16	Friday, 4:00 P. M....	Christmas vacation begins
January 2	Monday.....	Class work resumes
January 27	Friday.....	Semester closes

SECOND SEMESTER

January 30	Monday.....	Registration
January 30	Monday.....	Entrance examinations
January 31	Tuesday.....	Classes begin
February 6	Monday.....	Last day to register for full load
February 21	Tuesday.....	Last day to register for credit
April 3	Monday.....	Registration for Spring Term
April 3	Monday.....	Entrance examinations
April 4	Tuesday.....	Classes begin
April 5	Wednesday.....	Last day to register for full load
April 10	Monday.....	Last day to register for credit
May 28	Sunday.....	Baccalaureate Address

(Commencement season begins)

May 31	Wednesday.....	Commencement
June 2	Friday.....	Semester closes.

SCHOOL ORGANIZATION

BOARD OF REGENTS

HON. JAMES H. RICHMOND

State Superintendent of Public Instruction, Ex-Officio Chairman

HON. J. W. CAMMACK, Owenton, Kentucky
Term Expires 1936

HON. C. F. WEAVER, Ashland, Kentucky
Term Expires 1936

HON. JOHN NOLAND, Richmond, Kentucky
Term Expires 1934

HON. H. M. BROCK, Harlan, Kentucky
Term Expires 1934

OFFICERS OF THE BOARD

SUPERINTENDENT JAMES H. RICHMOND, Chairman

HON. C. F. WEAVER, Vice-Chairman

HON. J. W. CAMMACK, Secretary

KATHERINE MORGAN, Assistant Secretary

EXECUTIVE COMMITTEE

HON. JOHN NOLAND, Chairman

HON. JAMES H. RICHMOND, Ex-Officio

HON. J. W. CAMMACK

PRESIDENT H. L. DONOVAN

HON. R. E. TURLEY, Treasurer

HON. H. M. BROCK

NORMAL EXECUTIVE COUNCIL

HON. JAMES H. RICHMOND
Ex-Officio President of the Council

H. H. CHERRY
President of Western Teachers College, Vice-President of the Council

H. L. DONOVAN
President of Eastern Teachers College

Faculty

H. L. DONOVAN, A. B., M. A., Ph. D.

President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers.

***KERNEY M. ADAMS, A. B., A. M.**

Social Science

Diploma, Eastern Kentucky State Normal School; A. B., University of Kentucky; A. M., Cornell University; additional graduate work, Cornell University.

MARY L. ADAMS, B. S., M. A.

Critic, Home Economics

B. S., University of Kentucky; M. A., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University.

ANNIE ALVIS, A. B., M. A.

Critic, Sixth Grade

A. B., State Teachers College, Farmville, Virginia; M. A., Teachers College, Columbia University.

MRS. MARY EDMUNDS BARNHILL, A. B., M. A., LL. B.

English

A. B., University of Kentucky; M. A., Ohio State University; LL. B., University of Louisville; graduate student, Ohio State University.

ISABEL BENNETT, A. B., B. S.

Assistant Librarian

A. B., University of Kentucky; B. S., in Library Science, Columbia University.

G. O. BRYANT, A. B., A. M.

Critic, Mathematics

Diploma, Western Kentucky State Normal School; A. B., A. M., University of Kentucky.

PEARL L. BUCHANAN, A. B., M. A.

English—Speech

A. B., Southwestern University; graduate student, University of Oklahoma and Northwestern University; M. A., George Peabody College for Teachers.

VIRGIL BURNS, A. B., M. A.

Social Science

Diploma, Western Kentucky State Normal School; student, Bowling Green Business University; A. B., University of Kentucky; M. A., Teachers College, Columbia University; one year additional graduate work, Teachers College, Columbia University.

* On leave of absence for one year.

6 EASTERN KENTUCKY STATE TEACHERS COLLEGE

MARY KING BURRIER, B. S., M. S. **Home Economics**
Diploma, Hamilton College; B. S., M. S., University of Kentucky;
graduate student, Columbia University.

C. E. CALDWELL, A. B., B. S., A. M. **Mathematics**
A. B., Marietta College; B. S., National Normal University; A. M.,
Ohio State University; two years additional graduate work, Ohio
State University.

***JANE CAMPBELL, B. Mus., A. B., A. M.** **Music**
B. Mus., Taylor University; A. B., Eastern Indiana State Normal
School; graduate work, Eastern Indiana State Normal School; A. M.,
Columbia University; student, University of Paris.

KATIE CARPENTER, A. B., A. M. **Principal, Rural Practice School**
A. B., Eastern Kentucky State Teachers College; A. M., Univer-
sity of Kentucky.

ASHBY B. CARTER, B. S. **Agriculture and Sanitary Science**
Student, University of Richmond, University of Virginia and
Virginia Mechanics Institute; B. S., George Peabody College for
Teachers; graduate student, George Peabody College for Teachers,
University of Kentucky, and Teachers College, Columbia University.

MRS. EMMA YOUNG CASE, A. B., M. A. **Acting Dean of Women
and Education**
Student, University of Kentucky; A. B., Eastern Kentucky State
Teachers College; M. A., George Peabody College for Teachers.

ROY B. CLARK, A. B., A. M., Ph. D. **English**
Diploma, Nebraska State Normal School; A. B., University of
Nebraska; A. M., Ph. D., Columbia University.

J. DORLAND COATES, B. S., M. A. **Critic, Model High School**
B. S., Eastern Kentucky State Teachers College; M. A., George
Peabody College for Teachers.

MEREDITH J. COX, B. S., M. A. **Chemistry**
Diploma, Warren Academy; B. S., M. A., George Peabody College
for Teachers; two years additional graduate work, Columbia Univer-
sity, University of Wisconsin, and Duke University.

NOEL B. CUFF, B. S., A. M., Ph. D. **Psychology**
B. S., A. M., Ph. D., George Peabody College for Teachers.

N. G. DENISTON, B. S. **Industrial Arts**
B. S., Valparaiso University; student, Stout Institute, Massachu-
setts Institute of Technology, and Bradley Polytechnic Institute;
graduate student, University of Chicago.

RUTH DIX, B. S., M. A. **Home Economics**
Student, Bradley Polytechnic Institute and University of Illinois;
B. S., Bradley Polytechnic Institute; M. A., Teachers College, Columbia
University.

* On leave of absence for one year.

J. T. DORRIS, A. B., A. M., Ph. D. History and Government
A. B., Illinois College; A. M., University of Wisconsin; Ph. D., University of Illinois.

RICHARD A. EDWARDS, A. B., A. M. Director of Training School
A. B., University of Kentucky; A. M., Columbia University.

FRED A. ENGLE, A. B., A. M. Mathematics
Student, Cumberland College; A. B., A. M., University of Kentucky; one year additional graduate work, University of Kentucky.

JACOB D. FARRIS, A. M., M. D. College Physician and Teacher of Health
Diploma, Western Kentucky State Normal School and Teachers College; student, University of Chicago; A. M., George Peabody College for Teachers; M. D., Vanderbilt University.

D. THOMAS FERRELL, A. B., M. A. Education
A. B., A. M., Duke University; M. A., Teachers College, Columbia University; two years additional graduate work, George Peabody College for Teachers.

MARY FLOYD, A. B., M. A. Acting Librarian and History
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University; graduate student, University of Chicago.

EDITH G. FORD, B. C. S., A. B., A. M. Commerce
Diploma, Louisiana State Normal College; B. C. S., Bowling Green Business University; A. B., George Washington University; A. M., University of Kentucky; student, University of Paris.

ALLIE FOWLER, B. S., M. A. Art
B. S., M. A., George Peabody College for Teachers.

MAUDE GIBSON Art
Graduate, Lebanon Normal; two years' course in public school art, Teachers College, Miami University; student, New York School of Applied Design and Teachers College, Columbia University.

ANNA D. GILL, B. C. S., A. B. Commerce
B. C. S., Bowling Green Business University; student, Chicago Gregg School and Western Kentucky State Teachers College; A. B., University of Kentucky; graduate student, University of Kentucky.

P. M. GRISE, A. B., M. A. Critic, Model High School
A. B., Western Kentucky State Teachers College; M. A., George Peabody College for Teachers.

G. M. GUMBERT, B. S., A. M. Agriculture
B. S., A. M., University of Kentucky.

MAY C. HANSEN, B. S., M. A. Education
Diploma, Oshkosh State Teachers College; student, University of Chicago and Columbia University; B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.

8 EASTERN KENTUCKY STATE TEACHERS COLLEGE

ELIZA HANSON, A. B., M. A. **Critic, Sixth Grade**
 Diploma, Eastern Kentucky State Teachers College; A. B., University of Kentucky; M. A., George Peabody College for Teachers; graduate student, University of Colorado and University of Kentucky.

GEORGE N. HEMBREE, B. C. S., A. B. **Physical Education**
 Student, Eastern Kentucky State Teachers College, University of Illinois, and George Peabody College for Teachers; B. C. S., Bowling Green Business University; A. B., University of Kentucky.

THOMAS C. HERNDON, B. S., M. A., Ph. D. **Chemistry**
 B. S., University of Kentucky; graduate student, University of Chicago; M. A., Ph. D., George Peabody College for Teachers.

GERTRUDE M. HOOD, A. B., A. M. **Physical Education**
 A. B., Ohio Wesleyan University; A. M., Columbia University.

CHARLES T. HUGHES, A. B. **Coach**
 Diploma, Morton-Elliott Junior College; A. B., University of Kentucky; graduate student, University of Michigan.

ARNIM DEAN HUMMELL, B. S., M. S., Ph. D. **Physics**
 B. S., Knox College; M. S., Ph. D., University of Illinois.

ELIZA HUGHES, A. B., A. M. **Physical Education**
 Diploma, New Haven Normal School of Gymnastics; student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; A. M., Columbia University.

HELEN HULL, B. Mus. **Music**
 Diploma in Music, Ohio State Teachers College; B. Mus., University of Michigan.

RICHARD E. JAGGERS, A. B., A. M., Ph. D. **Education and
Director of Extension**
 A. B., A. M., University of Kentucky; Ph. D., Cornell University.

WILLIAM C. JONES, B. S., A. M., Ph. D. **Education and
Director of Research**
 B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; Ph. D., George Peabody College for Teachers.

WILLIAM L. KEENE, B. S., M. A. **English**
 Diploma, Middle Tennessee State Normal School; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, George Peabody College for Teachers.

CHAS. A. KEITH, B. A., M. A., Ped. D. **History and Dean of Men**
 Student, University of Arkansas and University of Texas; B. A., M. A., Oxford University; Honorary Doctor of Pedagogy, Ohio Northern University; one year and two summer terms' additional graduate work, Indiana University.

L. G. KENNAMER, A. B., B. S., M. A., Ph. D. **Geography and Geology**
 A. B., Simmons University; student, University of Wisconsin; B. S., M. A., Ph. D., George Peabody College for Teachers.

- HARRIETTE V. KRICK, A. B., Ph. D.** **Biology**
A. B., Hiram College; Ph. D., University of Chicago.
- CORA LEE, B. S., M. A.** **Critic, Model High School**
B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.
- MARGARET LINGENFELSER, A. B., M. A.** **Critic, First Grade**
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University.
- MELVIN E. MATTOX, B. S., M. A.** **Education and Registrar**
Diploma, Mississippi State Normal School; B. S., M. A., George Peabody College for Teachers; one year additional graduate work, George Peabody College for Teachers.
- THOMAS E. McDONOUGH, B. S., M. A.** **Physical Education and Health**
Diploma, La Crosse Teachers College; student, Columbia University; B. S., M. A., George Peabody College for Teachers.
- MARY FRANCES McKINNEY, B. S., M. A.** **Geography**
Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.
- ELEANOR MEBANE, A. B., M. A.** **Art**
A. B., University of Indiana; M. A., George Peabody College for Teachers; student, Art Institute of Chicago, one year; student, Chicago Academy of Fine Arts, two years; student, Art Students' League, New York, one year; Student, New York School of Fine and Applied Arts, four months; student, Pennsylvania Academy of Fine Arts, one year.
- WILLIAM J. MOORE, A. B., A. M., Ph. D.** **Economics**
Diploma, Eastern Kentucky State Normal School; student, College of Law, University of Kentucky; A. B., A. M., Ph. D., University of Kentucky.
- MRS. JANET MURBACH, A. B., A. M.** **French**
A. B., Oberlin College; student, University of Paris and University of California; A. M., University of Kentucky; one year graduate study, University of Toulouse, France
- CORNELIA NETTINGA, A. B., B. Mus.** **Music**
A. B., B. Mus., Hope College.
- **SMITH PARK, B. S., M. S., Ph. D.** **Mathematics**
B. S., M. S., Ph. D., University of Kentucky.
- MABEL H. POLLITT, A. B., A. M.** **Latin**
A. B., A. M., University of Kentucky; additional graduate work in American Academies of Rome and Athens.
- ALFRED E. PORTWOOD, A. B.** **Assistant Coach**
A. B., University of Kentucky; graduate student, University of Michigan.

****** On leave of absence for one semester.

ELLEN PUGH, A. B., A. M. Critic, Fifth Grade
A. B., Ohio Wesleyan University; A. M., Ohio State University;
two quarters additional graduate work, Ohio State University.

NANCY RICHARDSON, A. B. Assistant Librarian
A. B., North Carolina College for Women; graduate student,
George Peabody College for Teachers.

***R. R. RICHARDS, A. B.** Commerce
Student, University of Kentucky; A. B., Eastern Kentucky State
Teachers College. Graduate student, University of Kentucky.

DEAN W. RUMBOLD, B. S., Ph. D. Biology
B. S., University of Buffalo; student, University of Wisconsin;
Ph. D., Duke University.

RUBY RUSH, A. B., A. M. Critic, Model High School
Graduate, Virginia Intermont College; A. B., University of Ken-
tucky; A. M., Columbia University.

ANNA A. SCHNIEB, A. B., A. M., Ph. D. Education
Diploma, Indiana State Teachers College; student, Indiana Uni-
versity; A. B., A. M., Columbia University; two years' additional
graduate work, Columbia University and University of Chicago; Ph. D.,
University of Vienna.

G. D. SMITH, A. B., B. S., M. S., D. Sc. Nature Study
A. B., Ohio Northern University; B. S., Ohio Wesleyan University;
M. S., D. Sc., Ohio Northern University.

VIRGINIA F. STORY, B. S., M. A. Critic, Second Grade
Diploma, Eastern Kentucky State Teachers College; B. S., M. A.
George Peabody College for Teachers.

BROWN E. TELFORD, B. S. Piano
Diploma, Greenbrier College for Women; student, Cincinnati Con-
servatory of Music, New York School of Music and Arts, New England
Conservatory of Music; and B. S., Columbia University.

MRS. GLADYS PERRY TYNG, B. S., M. A. Education
Diploma, Eastern Kentucky State Normal School and Teachers
College; B. S., George Peabody College for Teachers; graduate
student, George Peabody College for Teachers; M. A., Teachers Col-
lege, Columbia University.

JAMES E. VAN PEURSEM, A. B., B. Mus. Music
A. B., Morningside College; B. Mus., Oberlin College.

SAMUEL WALKER, A. B., A. M. Principal, Model High School
A. B., Maryville College; A. M., University of Kentucky.

MRS. LUCILLE WHITEHEAD, B. S. Assistant Librarian
B. S., George Peabody College for Teachers; one year graduate
work in Library Science, George Peabody College for Teachers.

* On leave of absence for one year.

ELIZABETH WILSON, B. S., M. A.

Critic, Third Grade

Diploma, Martin Collge, B. S., M. A., George Peabody College for Teachers.

GERMANIA J. WINGO, B. S., M. A.

Critic, Fourth Grade

Diploma, Virginia State Normal School; B. S., M. A., Teachers College, Columbia University.



Roark Science Building.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

E. P. McCONNELL, Bookkeeper

KATHERINE MORGAN, Secretary to the President

R. E. JAGGERS, A. B., A. M., Ph. D., Director of Extension

MARGARET GREENLEAF, A. B., Secretary to Business Agent

ELIZABETH DUNIGAN, Secretary to the Registrar

LUCILE DERRICK, B. S., Secretary to Director of Research

MAYME COOPER, Secretary, Director of Extension

MAYE M. WALTZ, Stenographer, Office of Director of Research

INEZ McKINLEY, Assistant Bookkeeper and Stenographer

AUGUSTA DAUGHERTY, Cashier and Stenographer

LOIS COLLEY, Stenographer, Business Office

EUNICE WINGO, Secretary to Dean of Women

FRED BALLOU, Book Store Clerk

MRS. HART PERRY, Stenographer, Registrar's Office

MRS. T. J. COATES, Housekeeper, Burnam Hall

MARIE L. ROBERTS, Housekeeper, Sullivan Hall

W. A. AULT, Superintendent Buildings and Grounds

EDNA WHITE, Registered Nurse

EDITH L. McILVAINE, Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

MRS. BESSIE GRIGGS, Information Clerk

Faculty Organization

COMMITTEES

Alumni and Senior Class

Moore, Adams, Carpenter, Case, Coates, Derrick, Floyd, Lingenfelter,
McKinney, Park, Richards, Story, Tyng

Meets first Tuesday of each month at 4:10 P. M.

Certification and Graduation

Kennamer, Caldwell, Case, Farris, Hummell, Jagers, Jones,
Mattox, Pollitt.

Meets on call of the chairman

Student Schedules

COLLEGE

Keith, and others as assigned

MODEL HIGH SCHOOL

Walker, and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Pollitt

Meets on first Monday each semester, mid-semester, and each
summer term at 4:10 P. M.

Entrance Examinations

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker
Meets on call of chairman

Fine Arts and Entertainment

Murbach, Buchanan, Caldwell, Campbell, Farris, Hull, Kennamer,
Mebane, Nettinga, Telford, Tyng, Van Peurse

Meets on the first Wednesday of each month at 4:10 P. M.

Library Committee

Floyd, Park, Clark, Cox, Edwards, Jones, Keith, Kennamer,
McDonough, Pollitt, Rumbold

Meets on the first Tuesday of each month at 4:10 P. M.

The Training School

Edwards, the critic teachers, and the teachers of Education

Meets on call of the chairman

Athletics

Carter, Farris, Gumbert, Hughes, C. T., Keith, McDonough, Moore

Meets on the second Friday of each month at 4:10 P. M.

Societies, Clubs, and Forensics

Clark, Barnhill, Dix, Dorris, Ferrell, Ford, Richards

Meets on second Tuesday of each month at 4:10 P. M.

Student Publications—Milestone and Progress

Rumbold, Cuff, Deniston, Gibson, Hood, Keene, Richards

Meets on second Wednesday of each month at 4:10 P. M.

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb

Meets on second Thursday of each month at 4:10 P. M.

Curriculum Committee

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Jagers,
Mattox, Moore, Tyng

Meets on third Friday of each month at 4:10 P. M.

Student Welfare, Discipline and Grievances

Donovan, Case, Farris, Jones, Keith, Pollitt

Meets on call of the chairman

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Pollitt

Meets on call of the chairman

Socials and Receptions

Hughes, Burrier, Carter, Farris, Ford, Fowler, Krick, McDonough,
McKinney, Pollitt, Richards; ex-officio Case, Keith

Meets on call of the chairman

Extension Committee

Jagers, Adams, Dorris, Engle, Hembree, Jones, Smith

Meets on the fourth Tuesday of each month at 4:10 P. M.

Student Loans, Scholarships and Fellowships

Cox, Brock, G. M., Case, Cuff, Keith, McDonough, Portwood, Schnieb

Meets on call of the chairman

Note: A special meeting of any committee will be called by its chairman on the written request of three of the members of such committee. The President is ex-officio member of all committees.



Burnam Hall, Women's Dormitory.

GENERAL INFORMATION

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison County, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beckham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September

1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

LOCATION

The home of the Eastern Kentucky State Teachers College is a city of about 8,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west. Richmond is a city of Christian homes and contains churches of all the leading denominations. It is not so large that it will lose sight of the school in a multiplicity of other interests, and yet is large enough to afford the essential material conveniences for the care of the institution.

Richmond is on the border line between the blue grass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University, the famous Presbyterian institution which was removed to Danville and united with Centre College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of blue-grass turf, thickly set with fine maple and other trees. Our present buildings include:

University Building—This building was erected by Old Central University in 1874. The model senior high school now occupies this building, which was remodeled throughout last year. Extensive improvements were made to modernize the interior of the building.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This handsome building is named in honor of the first president. It was erected in 1909. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and class rooms.

James W. Cammack Building—It was constructed in 1918 and was recently remodeled and refurnished. The building was designed and is used entirely for the elementary grades. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story fireproof structure and is used exclusively for library purposes. The building contains approximately 33,000 volumes, a large picture collection, and several thousand pamphlets. A room is set apart and is used to house the John Wilson Townsend collection of Kentucky books. Many valuable additions have been made to this collection recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as

a laboratory for college students who are enrolled for courses in Library Science.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 150 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building is a beautiful dormitory for women, recently constructed. It is a fireproof structure and accommodates 316 students. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for entertainments of clubs and societies. There is also a large recreation room for women students. A well equipped laundry is provided for the use of students.

The Thomas Jackson Coates Administration Building—This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen classrooms, the college book store and college post office. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and classrooms.

Weaver Health Building—The new Weaver Health Building named in honor of Hon. Charles F. Weaver of Ashland, Kentucky, a member of the Board of Regents, was opened for class work at the beginning of the spring term, 1931. It is one of the largest and best equipped buildings on the campus. It

is a three-story structure of brick, steel, and concrete and is 100 feet by 220 feet. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 feet by 40 feet. All necessary apparatus for physical education has been installed in the building. The locker rooms located on the ground floor contain 1,065 steel lockers for the use of students. A feature of the building is an official-size, tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. The building contains classrooms and laboratories for the departments of physical education and health, the office of the college physician, and offices for the physical education staff.

The Central Heating Plant—The Central Heating Plant erected in 1909 contains all the necessary equipment, including boilers and pumps, for heating all the buildings on the campus. Recently a new 300-horsepower boiler with necessary mechanical stoker and forced draft was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large and beautiful brick dwelling situated on the farm. It is used for Home Management work in connection with the Smith-Hughes course in Home Economics. It has been furnished and equipped for this work. It is modern in every respect.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without loss of time in moving from the classroom to the farm. The activities of the farm are those which are usually found in this part of the State. There is a dairy herd composed of purebred Jerseys and Holsteins. These cows furnish milk for the cafeteria.

Purebred Duroc hogs are raised and a colony of purebred poultry is being bred.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm.

This farm is owned and operated for the following purposes:

1. To be used by the Department of Agriculture for laboratory and demonstration purposes.

2. To give a limited number of students attending the institution work to help pay expenses.

3. To furnish the dormitories with milk, eggs, meat, and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses, and to pay gradually for needed improvements.



The Lily Pool.

EXPENSES AT EASTERN

INFORMATION CONCERNING ROOMS, BOARD AND FEES

ROOMS

Rules Concerning Students Residing in Dormitories and Private Homes—*While Rooms Are Available in the Dormitories Students Are Required to Occupy Dormitory Rooms*—After the dormitories are filled, students may take rooms in private homes in Richmond, but both men and women students, when living off the campus, are required to room in homes listed by the college. Students should not engage rooms in private homes before ascertaining that the home is on the list. Students are not permitted to register until after their room assignment has been approved by the Dean of Women for women students, and the Dean of Men for men students. Upon arrival in Richmond all women students should report to Burnam Hall at the office of the Dean of Women, and all men students to Memorial Hall, where they will receive cards indicating that room assignment has been approved.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the college.

Rooms for Men Students—Memorial Hall is the men's dormitory. This dormitory will accommodate approximately 150 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. This building was recently decorated throughout. Most rooms accommodate two students, a few three students.

Rooms for Women Students—Burnam Hall and Sullivan Hall are the women's dormitories. These dormitories will accommodate 478 women students. Practically all rooms in these dormitories are two-student rooms, but there are a few corner rooms to which three students are assigned. Rooms in Sullivan Hall and Burnam Hall are completely furnished,

steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. All rooms in New Burnam Hall have private bath for each suite of two rooms.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bathrooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water. With few exceptions all rooms are equipped with single beds.

The rate of rent in Sullivan Hall is \$1.12 to \$1.35 a week, and in Burnam Hall \$1.35 to \$2.25 a week for each student. The \$2.25 rooms are on the front side of New Burnam; most other rooms in New Burnam are \$1.80 a week. The rate of rent in Memorial Hall is \$1.35 to \$1.80 a week for each student. The \$1.80 rooms are choice corner rooms.

In making application for rooms, students should indicate the price of room preferred.

Dormitory Room Reservations—The Room Deposit Fee—Students desiring to have rooms reserved in the dormitories should write the Business Agent for application card which will be forwarded immediately. When applying for dormitory reservations, students should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received and in that order rooms are reserved. Room assignments for the fall semester can generally be mailed promptly upon receipt of applications. Room reservations for the second semester and summer school can not be made until the number of students vacating the dormitories at the close of the preceding term can be determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college,

as a guarantee of the proper care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room Reservations Are Void Unless Claimed by 6:30 p. m. Monday, the Opening Day of the Semester or Term, and the Fee is Forfeited—Room reservations are not transferable.

Do not send a reservation fee until you have received a dormitory assignment.

To receive refund of the reservation fee, the holder of a reservation must give notice of cancellation of the room reservation not later than ten days before the opening of the term for which the reservation is made.

Care of Rooms in Dormitories—Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions, therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms. A committee of the faculty will visit dormitory rooms at regular intervals and if lights are found on when students are absent from their rooms, a charge of 25c will be made for each offense.

Articles to be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow cases, three sheets, spreads and comforts or blankets, towels, soap, and runners for table and dresser.

Rooms for Married Couples and Families—Among the Richmond homes offering rooms to students many have facilities for light housekeeping, and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that the best possible arrangements may be made.

BOARD

Board is provided in the beautiful new cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office and may be purchased as needed. The average cost of board is \$3.75 a week.

Men and women students occupying rooms on the campus are **required** to take their meals at the college cafeteria. They are expected to pay for five cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for four coupon books in advance at the beginning of each six-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$23.00 for which the student will receive five coupon books good for \$25.00 in board. A payment of \$19.00 will be required in advance at the opening of each six-week summer term for which the student will receive four coupon books good for \$20.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

FEES

Important Notice to Students

Beginning with the Opening of the Fall Semester, September, 1932, it Becomes Necessary that the College Require that all Payments of College Expenses Made by Students be by Certified Check, Postal or Express Money Order, Cashier's Check, or Cash—No Personal Checks will be Accepted—This policy has been made necessary through conditions over which the institution has no control, and to enable the institution to

carry out the provisions of certain laws enacted by the 1932 legislature which require the college to deposit monthly with the state treasurer all funds received from fees, board, tuition, and other items of income.

Incidental Fee—Each student pays an incidental fee of \$10.00 each semester at the time of registration. This fee is paid by all students and is not refunded. It entitles the student to

1. Admission to the regular numbers of the Lectures and Fine Arts Course.
2. Subscription to the Eastern Progress.
3. Library service.
4. Health service.

Tuition—No Tuition is Charged Residents of Kentucky—Non-residents of Kentucky are charged the following rate:

For one semester \$27.00

Necessary Expenses at Eastern for One Semester—18 Weeks

Incidental Fee	\$10.00
Room Rent in Dormitories	\$20.25 to 40.50
Board in College Cafeteria	63.00 to 72.00
College Post Office Box Rent .....	.50

Total Expenses\$93.75 to \$123.00

The following expenses are payable in advance for the semester:

Incidental Fee	\$10.00
Room Rent in Dormitories	\$20.25 to 40.50
Board in College Cafeteria	23.00
College Post Office Box Rent .....	.50

Total to be paid in advance on entrance ..\$53.75 to \$74.00

Room rent has been reduced at Eastern. The above rates are 10% lower than formerly.

Cost of Books—The cost of books and supplies for the semester may be estimated at from \$10.00 to \$15.00.

Expenses for the summer school are in proportion to expenses for the semester.

Laboratory Fees—The fees to be paid for laboratory courses are indicated in connection with descriptions of these

courses in another part of this catalog. All laboratory fees are intended to cover the cost of materials and laboratory service furnished. No excessive laboratory fees are charged. Laboratory fees are paid at the time of registration with other items of expense.

Tuition Fees for Private Instruction in Music—Individual instruction in piano, voice, violin, and cello:

Two half-hour lessons per week (18 weeks)	\$27.00
One half-hour lesson per week (18 weeks)	18.00
Practice room, with piano, one hour daily (18 weeks)....	5.00
Use of school owned violin (18 weeks)	2.50

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester, and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan receive laundry service for towel and bathing suit for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of rental will be refunded.

Fee for Late Registration—Students who enroll after the first two days of a semester or term are required to pay an additional fee for \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Therefore, students are advised to give careful study to the program of classes and the requirements to be met before having class schedule approved. If the change in schedule is requested by the Registrar, the student will not be required to pay the fee.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses, such as board or room rent, by doing various kinds of work for the college, such as working in the cafeteria, bookstore, campus post office, dormitories, information offices, on the school farm, etc. Some students may also find opportu-

nity for employment clerking in Richmond stores and working in restaurants, etc., on Saturdays.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all of their expenses for at least one semester.

STUDENT LOAN FUND

The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow a small sum at a legal rate of interest on a personal note. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

COLLEGE BOOKSTORE AND POST OFFICE

The college bookstore and post office are located on the ground floor of the Administration Building convenient to all students. Individual lock boxes are furnished in the post office for all students occupying dormitory rooms.

All necessary books and class supplies are carried in the bookstore for the convenience of students.

THE TRAINING SCHOOL

Function—The function of the Training School is two-fold; first, it trains college students in the theory and art of teaching; second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It provides opportunities for directed observation by college classes

in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the state in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions; the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades located on the college farm near the campus. The length of the school year is nine months.

Enrollment Fees—Fees for the privilege of attending the Training School are as follows:

Elementary School, grades 1 to 6 inclusive.....	\$ 4.00 a semester
Junior High School, grades 7, 8, and 9.....	6.00 a semester
Senior High School, grades 10, 11, and 12.....	10.00 a semester

Elementary School—This division of the Training School is composed of grades one to six, inclusive. This school is located in Cammack Building which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Walters Collegiate Institute, was reorganized in the fall of 1930, after a lapse of eight years. This school is located in the University Building which has recently been completely remodeled and especially equipped for high school use. It has a principal and seven full-time teachers. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The same high standards of scholarship, personal honesty, and courteous conduct are characteristics which permeate the spirit of the school. The school is fully accredited, and its graduates are prepared for college entrance.

Students residing outside the city of Richmond and whose homes are located more conveniently to this school than to a county high school will have their tuition paid by the County Board of Education. All others who may wish to enter the high school should make application for entrance to the Principal of the Model High School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted, a transcript of their school record signed by their principal or superintendent should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete in every respect. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach, and after he has shown evidence of preparation for the work. Under the supervision and help of the training teacher he develops skills, techniques, and controls, which are considered essential to good classroom procedure. Before he is accepted for the work the applicant must have satisfactorily met certain prerequisites, including the completion of a course in Education 261, 262, 263, or 264 and he must have mastered sufficient subject-matter courses in the opinion of his advisor to enable him to do creditable teaching.

There are six training teachers in the elementary school. Those who are studying in the "Early Elementary School" curriculum or in the "Intermediate School" curriculum will be expected to do student teaching in the elementary grades of their choice, as near as can be given them.

The work in the junior and senior high school grades is departmentalized. Student teaching in the high school is done in the student's major or first minor subject according to the recommendation of his advisor.

Students majoring in the "Rural School" curriculum may do part of their practice work in the one-teacher Rural School and the remainder of it in the campus Training School.

Because of increased demands usually made upon the Training school during the second semester the following policy will be adhered to in the future:

Student teaching will be offered during the first semester to all students who are prepared for it and who must take it as part of the requirement for the "Standard Certificate" or for a degree expected at the end of the school year.

During the second semester student teaching will be open to those who have met the prerequisite before mentioned, and who were either not in attendance during the first semester or who had not passed the course in Education 261, 262, 263, or 264 at that time.

CHAPEL PROGRAMS

The College provides chapel programs on Monday, Wednesday, and Friday of each week and the third period is assigned to these programs. These programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone—It is the college annual published each year by representatives of the Senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various department editors, such as art, literary, photographic, advertising, society, and joke.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official bi-monthly review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. Farris, College Physician, and students have the privilege of consulting Dr. Farris for medical advice and attention at all times. Students are given immunizations for various contagious diseases. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical examinations are given to those students who desire them. All students whether living in the dormitories or off the campus are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is located in the Weaver Health Building and is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Intercollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. The committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association and all athletic contests are governed by the eligibility rules of that body. Representative teams are developed in football, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activities, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intramural programs are the vogue throughout the school year.

Eastern is well equipped with gymnasiums, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the College and the Training School. **Only those officially connected with the Institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. If you expect to use the pool, see the COLLEGE PHYSICIAN and arrange to take a complete physical examination. Regulation cotton bathing suits are required and admission is strictly according to schedule.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with a minimum of fifteen units so chosen as to include the basic units is required for admission to the freshman class. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basic Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	1½ -4	Education (including	
Foreign Languages		Psychology)	1½-1
French	1 -3	Sciences	
German	1 -3	Biology	1½-1
Latin	1 -4	Botany	1½-1
Spanish	1 -3	Chemistry	1½-1
Mathematics		General Science	1½-1
Advanced Arithmetic....	1½ -1	Geology	1½-1
Algebra	1-1½	Physics	1½-1
Solid Geometry	1½	Physical Geography ..	1½-1
Trigonometry	1½	Physiol. and Hygiene	1½-1½
History and Civics		Sociology	1½
History	1 -4	Zoology	1½-1
Civics	1½ -1		
Political Economy	1½		

GROUP B

(Only four units may be offered in this group.)

Agriculture	1½-4	Home Economics	1½-4
Bookkeeping	1½-1	Shop Work	1½-2
Commercial Law	1½	Music	1½-1
Commercial Geography	1½	Stenography	1½-1
Drawing—Freehand	1½-2	Surveying	1½
Drawing—Mechanical ..	1½-2	Salesmanship	1½

The minimum amount of credit allowed in any subject will be one-half unit.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points per Semester
		Hour
A	Excellent	3
B	Good	2
C	Average	1
D	Poor	0
F	Failure	0
I	Incomplete	
Z	Conditioned	

The grades A, B, C, D, and F cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the pupil to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of

hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load is sixteen and one-half hours for those registered as Freshmen and Sophomores and sixteen hours for those registered as Juniors and Seniors. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of eighteen hours upon the approval of the Registrar.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than $8\frac{1}{2}$ semester hours nor more than $18\frac{1}{2}$ semester hours in a semester. In each such case of reregistration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the reregistration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the reregistration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

COMMENCEMENT

Attendance at Commencement—All students who are candidates for the Standard Certificate and those who are candidates for a degree are required to participate in the commencement exercises unless excused by the President.

Who May Participate in College Commencement Exercises—Participation of students in college commencement exercises is restricted to those who have satisfied the requirements for the Standard Certificate or for a degree at the time of commencement. Students who satisfy these requirements at times other than the second semester will receive their certificates or their degrees immediately following the completion of the work and will be regarded as of the graduating class immediately succeeding the completion of the work.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary,

all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. These organizations make it possible for students to enjoy a measure of social life along with their professional and intellectual activities.

Name of Organization	Qualifications for Membership
Departmental Clubs:	
Biology Club	Open to students who are taking a major or minor in the Biology Department. Membership is by election.
Canterbury Club	Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election.
Elementary Council	Open to students who are majoring in Early Elementary Education or Intermediate Education, and to students who are enrolled for Education 261 or 263.
Home Economics Club	Open to students who are taking a major or a minor in Home Economics. Membership is by election.
Physical Education Club	Open to students who are taking a major or a minor in Physical Education. Membership is by election.
Sigma Lambda Society	Open to students who are taking a major or a minor in the Department of Foreign Languages. Membership is by invitation.
Sigma Tau Pi	Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members.
Social Science Club	All majors and minors of Social Science and all Social Science service instructors shall be active members of the organization.

World Affairs Club

Membership in this club shall be of two classes—(1) active, and (2) associate. Active membership shall be invitational and limited to the majors and minors in the Department of Geography and Geology. Eligibility is based upon a general average of 1.5 and a departmental average of 2.0. Associate membership shall be invitational and is open to all faculty members and students of the college. Associate members shall be non-voting members.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the City. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devotional meeting. These organizations are doing a great work in the school and new students should join them and become active workers.

Literary and Dramatics:**Alpha Zeta Kappa**

Open to all students who are interested in the intelligent discussion of public questions. Membership is by election.

Horace Mann Society

Open to all students in the College who are interested in public speaking and debating. Membership is voluntary.

Little Theatre Club

Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the Club members.

Rural Life Club

Open to all students who are interested in problems of rural life. Membership is voluntary.

Musical Organizations:

College Band	Open to any student who has the ability to play any one of the instruments usually found in a college band. Some of the instruments are furnished by the College.
Madrigal Club	Open to all women students of the Institution. The ability of the student is the basis of selection. Membership is limited to thirty students.
Men's Glee Club	Open to all men students in the Institution. The ability of the student is the basis of selection. Membership is limited to twenty-five students.
Orchestra	Open to all students; however, new members are admitted only as vacancies occur.
Professional:	
Caduceus Club	Open to students who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension-class instruction, lectures, and various other types of public school service.

Bureau of Appointments—Through the Bureau of Appointments the institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class instruction is reasonable. For further details see Extension

Division bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

REQUIREMENTS For DEGREES AND CERTIFICATES

Before you enroll study the contents of the bulletin entitled **EXPERIMENTAL CURRICULA** (in back of this catalog) to determine requirements for certificates and degrees. You are held responsible for the required courses for a given certificate or degree. Therefore, it is highly important that you understand the requirements and plan your work to fulfill them.

These curricula are outlined for the sole purpose of guiding you in planning your college course. Choose the outlined curricula of your choice before you register. If there are questions or problems which you do not understand, ask the Registrar or some member of the Classification Committee to answer them for you.

DIVISIONS OF INSTRUCTION

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 inclusive are for Freshmen and Sophomores.

Courses numbered 200 to 299 inclusive are for Sophomores and Juniors.

Courses numbered 300 to 399 inclusive are for Juniors and Seniors.

Before Juniors and Seniors are permitted to take courses numbered 200 to 299 inclusive, they must secure the approval of the head of the department and of the chairman of the curriculum committee. When such permission is given, full credit on these courses will be allowed.

Before Juniors and Seniors are permitted to take courses numbered 100 to 199 inclusive, they must secure the approval of the head of the department and of the chairman of the curriculum committee. When such permission is given, only 75% of the credit on these courses will be allowed.

DIVISION OF APPLIED ARTS AND SCIENCES

Mr. Moore
Miss Adams
Miss Burrier

Mr. Carter
Mr. Deniston
Miss Dix
Miss Ford

Miss Gill
Mr. Gumbert
Mr. Richards

Agriculture

Mr. Carter

Mr. Gumbert

Agriculture 100. General Agriculture. (2 hours.)

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. This course should be helpful to county school superintendents and principals of rural schools as well as grade teachers. Use is made of some elementary texts, bulletins, and assigned reading.

Agriculture 111. Farm crops. (3 hours.)

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops; crop improvement; storage and marketing; crop rotation; judging grain; testing seeds.

Agriculture 126. Farm Poultry. (3 hours.)

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds; poultry house construction; feeds; balanced rations; poultry diseases; egg production; meat production; culling of flock pests; grading and marketing poultry products.

Agriculture 131. General Horticulture. (3 hours.)

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 215. (Formerly 115.) Soils. (3 hours.)

Prerequisite: Chemistry 211.

Purpose: To give the student a thorough knowledge of soil physics and soil management; to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 221. (Formerly 121.) Feed and Feeding. (3 hours.)

Prerequisite: Chemistry 211.

Purpose: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 223. Market Milk. (4 hours.)

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk; milk as a food; milk in its relation to public health; bacteriology of milk; dairy farm inspection; scoring milk and cream; cost of milk production; milk plants; pasteurization; refrigeration, etc.

Agriculture 224. Dairy Cattle Management. (2 hours.)

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds; judging; breeding; feeding; calf raising; pedigrees; advanced registry; dairymen's association; dairy barn construction; equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours.)

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of

breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

Agriculture 243. Rural Sociology. (3 hours.)

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life; movement of population; isolation of rural people; agricultural production; farm tenancy; rural health; rural homes; rural churches, etc.

Agriculture 251. Farm Engineering. (3 hours.)

A course involving a study of farm machines, their operation and care; farm structure; use of concrete on the farm, and the principles of drainage.

Agriculture 341. (Formerly Agriculture 241.) Agricultural Economics. (2 hours.)

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation; farm equipment; the size of farms; farm labor and wages; farm credit; insurance needs of the farmer; tenant farming; rent and profit; marketing; farm products; crop estimates and forecasts; price fixing and the cost of farm products; the social side of farm life; the future of the farmer, etc.

Agriculture 345. Farm Management and Farm Accounts. (3 hours.)

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises. To enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms, and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, live stock problems, farm labor, farm rents, farm equipment, farm layout, farm inventories, cost accounts, etc.

Agriculture 348. Marketing. (2 hours.)

Purpose: To study the underlying principles of cooperative marketing.

Topics: The history of cooperative marketing; farmers' associations non-political in their nature; farmers' associations in politics; farm blocs; pooling the pool that controls production; dealing with non-pool producers; the Federal Farm Board.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Hours and assignments will be arranged for with the instructor in charge. For example, if a student desires a practicum in poultry management, the assignment will be made by the instructor of the particular work. The course will be listed on the student's schedule card as Agriculture 126a, Practicum in Farm Poultry. The same procedure will apply in other courses where practicums may be offered.

Commerce

Mr. Moore
Miss Ford

Miss Gill
Mr. Richards

Commerce 101. An Introduction to Business and Industry. (2 hours.)

Purpose: To give the student a view of the entire business field; to appraise the opportunities for success in the various branches of industry; and to analyze the requirements for individual success in the various branches of industry.

Topics: The most important industries of the country, such as aluminum, automobile, banking, chemical, construction, copper, cotton, electric, iron and steel, lead, leather, paint, packing, lumber, petroleum, rubber, water power, wool, zinc, etc.; the most important business concerns of the country; the number of people employed in the various industries, etc.

Commerce 121. Business Arithmetic. (2 hours.)

Purpose: To prepare the student for Commerce 122, and to provide the student with sufficient information to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 122. Principles of Accountancy. (4 hours.)

Prerequisite: Commerce 121.

Purpose: To prepare the student for teaching the subject and for practical accounting and bookkeeping work. The course is also of infinite value to students interested in business administration.

Topics: A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible. The balance sheet; the profit and loss statement; the philosophy of debit and credit; mixed accounts; periodic work on the ledger; journals; business forms and vouchers; the trial balance and methods of locating errors; controlling accounts; the work sheet; balance sheet valuation, et cetera.

Commerce 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture; commerce; transportation; industry; labor legislation; socialism; social insurance; population and population trends; and finance of the principal European nations is studied.

Commerce 125. Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory.

Topics: Industry; the science of economics; wealth; capital; income; specialization; exchange; agents of production; risk; price levels; business cycles; international trade; and value.

Commerce 131. Elementary Penmanship. (1 hour.)

Purpose: To teach the principles of good handwriting; to afford practice in executing these principles; to develop an appreciation of good handwriting.

Topics: The elements of good handwriting; arm movement and how to develop it; analysis of various letters of the alphabet; much drill for movement and form.

Commerce 132. Advanced Penmanship. (1 hour.)

Purpose: This course is a continuation of Commerce 131. Its purpose is to develop greater skill in writing and to give instruction in how to teach penmanship.

Topics: Methods of teaching penmanship; what constitutes a high degree of skill in handwriting; regular size, slant, and spacing.

Commerce 151. Beginning Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop proper technique at the typewriter; to attain a minimum speed of twenty words per minute on the typewriter.

Topics: Mechanics of the typewriter; the keyboard; word drills; sentence drills; paragraphing; styles of letters; the general make-up of a letter; how to make a letter attractive; special characters not on the keyboard; foundations of speed.

Commerce 152. Advanced Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop speed and accuracy in typewriting; to develop an understanding of the theory of typewriting which will enable the student to teach it. A speed of forty words a minute is required.

Topics: Speed tests; practice on material which will develop speed and accuracy; writing business letters; punctuation; tabulation; legal forms; copy work; spacing; various other business forms.

Commerce 201. Business English. (3 hours.)

Prerequisite: English 101.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; addressing the letter; the sales letter; appeals to special classes; follow-up letter; inquiries, orders, and responses; credit letters; collection letters;

adjustment letters; the letter of application; business reports; style studies.

Commerce 209. Business Organization. (3 hours.)

Purpose: To acquaint the student with the different types of organizations doing business, and to develop an attitude toward big business which will help bring about a better understanding of business problems.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization holding company; amalgamation; merger; promotion; underwriting; the stock exchange; reorganization and receivership; trust legislation; evils and causes of trusts; remedies.

Commerce 210. (Formerly 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Commerce; industry; transportation; banking; labor problems; business organization; monetary problems; and agriculture.

Commerce 215. (Formerly Commerce 115.) Beginning Shorthand. (5 hours.)

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. (3 hours.)

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 220. Principles of Accountancy. (2 hours.)

Purpose: This course is a continuation of Commerce 122. The laboratory set gives practice in partnership accounting.

Topics: A more thorough consideration of controlling accounts and practice in handling them in a laboratory set is provided. The characteristics of a partnership; relation of partnership to accounting; formation of a partnership; division of profits; admission of a new partner; retirement of a partner; dissolution of a partnership.

Commerce 221. Principles of Accountancy. (3 hours.)

Purpose: This course is a continuation of Commerce 220. The laboratory set gives practice in corporation accounting. The student

should be able to do ordinary accounting and bookkeeping work after completing this course.

Topics: Analysis and interpretation of statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of a corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 222. Practical Economic Problems. (3 hours.)

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Money and banking; labor problems; the trusts; railroads; monopolies; taxation; social insurance.

Commerce 224. Money and Banking. (3 hours.)

Prerequisite: Commerce 122.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Commerce 225. Accounting Problems (2 hours.)

Prerequisite: Commerce 122, 220, 221.

Purpose: To acquaint the student with some of the problems met in various fields of accounting; to introduce the student to the principles of auditing and C. P. A. problems.

Topics: Qualifications of an auditor; purposes of an audit; various accounts to be checked; assembling data for an audit; determining content of the report; form of report and certificates, organization for accounting control; analysis of borrowers' financial statements; foreign exchange accounting; savings bank accounting; bituminous coal mine accounting; precious metal mine accounting; ranch cost accounting; contractors' accounts; accounting in the coffee trade; principles of department store accounting; hotel accounting; municipal accounting; the organization and accounts of a public account's office.

Commerce 241. Salesmanship. (3 hours.)

Purpose: This course is designed to give valuable information in the field of selling to those desiring to teach the subject and those expecting to do actual selling.

Topics: The art of selling; the motives behind all buying; the customer's mental journey; attitudes of buyer and salesman; preparation of the selling talk; the pre-approach; the interview; arousing interest; creating desire. Some time will be given to answering

objections; how to meet excuses; the diplomacy of the close; types of customers.

Commerce 242. Advertising. (2 hours.)

Purpose: To acquaint the student with some of the economic and psychological principles of advertising.

Topics: Factors which determine the kind and extent of advertising; the trade-mark; psychological factors in advertising; the chief human needs; relative strength of tendencies and interests; laws of attention applied to advertising materials; establishing associations and making them dynamic; the nature and purpose of advertising copy; substance of the copy; principles of form, color, ornament, and type; laying out the advertising; media; analyzing circulation; determining the value and the results of advertising.

Commerce 261. Methods of Teaching Commercial Subjects in the High School. (2 hours.)

Purpose: To provide materials and methods for the prospective teacher of commercial subjects in the high school.

Topics: Methods in the following subjects: Bookkeeping, typewriting, shorthand, salesmanship, business law, business English, business arithmetic, penmanship, and office practice; making a commercial curriculum; purposes and aims of commercial subjects in the high school; tests in the various subjects; commerce clubs; placement and follow-up.

Commerce 263. Practice Teaching in Commerce. (2½ hours.)

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision; grading papers; administering and checking tests; preparation of papers on topics related to the student's major interest; outlines of the subject taught.

Commerce 303. (Formerly 203.) Secretarial Practice. (3 hours.)

Prerequisite: Commerce 215, 216, 151, 152.

Purpose: To develop speed in transcribing; to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective arrangement and display of typewriting; duties of a secretary; dress, deportment, and office ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commrce 305. Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school.

Topics: Law in general; kinds of law; contracts; sales; agency; partnerships; corporations; negotiable instruments; bailments and carriers; insurance; personal property; real property; suretyship and guaranty; bankruptcy.

Commerce 306. Business Law. (3 hours.)

Purpose: This course is a continuation of Commerce 205. It includes cases and takes up phases of business law not covered in the course mentioned above.

Topics: Corporation problems; notes; drafts; deeds; mortgages; insurance.

Commerce 324. Bank Accounting. (2 hours.)

Prerequisites: Commerce 122 and 224.

Purpose: To provide information in the field of banking and to give the student practice in keeping a set of banking books.

Topics: Accounting principles applied to banking; banks and their organizations; the business of a bank; the internal organization of a bank; the clearing house; books of account; accounts; statement of the business.

Commerce 330. Public Finance. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, economic effects; the forms of public revenue—the public domain, the industrial domain, administrative revenues, taxation; public credit, its nature and uses, its forms; financial administration and legislation. Under the heading of taxation are discussed such topics as the following: the meaning and development of taxation; some requisites of a sound tax system, the distribution of the tax burden; means of escape from taxation; the general property tax; modified property taxes; taxes on corporations; consumption and other excise taxes; taxes on incomes; estate and inheritance taxes.

Commerce 340. Investments. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To give the student information concerning the fundamental principles of sound investments; to help the average person to work out a plan for his investments; to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society; classification of securities; analyses of securities; possibilities of investment in different classes of securities; financial institutions; the mechanics of investments; the effect of taxation on investment policies; investment and the business cycle; business forecasting; the determination of an investment policy.

Commerce 342. Advertising Procedure. (2 hours.)

Prerequisite: Commerce 242.

Purpose: This course has a three-fold purpose: (1) To give those students expecting to teach commerce a more thorough knowledge of advertising than can be obtained in Commerce 242; (2) To inform those people who, later in life, will have advertising done,

about certain very essential phases of procedure to follow; (3) To give important information to those students contemplating the advertising field as a profession.

Commerce 343. Marketing. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To provide the student with information in the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives; marketing functions and institutions; selling direct to consumer; earlier and simpler types of retail institutions; department stores; mail order houses; chain stores; agricultural wholesale markets; middlemen of the city agricultural markets; classes and types of wholesalers; raw materials; cooperative marketing; speculation; prices and some price policies; brands and brand policies; ethical aspects of marketing.

Home Economics

Miss Dix

Miss Adams

Miss Burrier

Home Economics 101. Nutrition and Food Preparation. (3 hours.) Laboratory fee, \$6.00.

Purpose: To familiarize the students with the general composition of foods and their place in the diet; to teach the fundamental principles of preparation of foods most commonly used in the home.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning and preparing and serving of the meal of that unit.

Home Economics 103. Source, Selection, and Cost of Foods. (2 hours.) Laboratory fee, \$1.00.

Purpose: To familiarize and aid in solving marketing problems of the home and to acquaint the prospective teacher with the various grades of food and marketing conditions.

Topics: Source, selection and comparative costs of foods used in the home; preparation and comparison of dishes made from various grades of the same foods.

Home Economics 110. Textiles. (2 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishing; to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains; laundering.

Home Economics 111. Garment Making. (3 hours.) Laboratory fee, \$2.00.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready-made garments.

Topics: Study of the sewing machine and attachments; making of simple foundation patterns; selection of materials suitable for simple wash dress, kimona, or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing; clothing budgets.

Home Economics 201. Meal Planning Preparation and Serving. (3 hours.) Laboratory fee, \$7.00.

Prerequisite: Home Economics 101 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced meals of the home types at varying costs; to familiarize students with different types of table service; to give them an opportunity to more extensively study table etiquette.

Topics: Principles of a well-balanced meal; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; care of table linens.

Home Economics 202. (Formerly Home Economics 102.) Advanced Cookery. (3 hours.) Laboratory fee, \$5.00.

Prerequisite: Home Economics 101.

Purpose: To develop skill in the variations of food cookery; to acquaint the student with all the possible variations of any one dish; to develop a wide variation of food in meal planning.

Topics: Study of standard recipes and all the variations of the standard recipe; suitability of the variations to various menus; a study of the cost of the variations as compared to the standard recipe.

Home Economics 212. (Formerly Home Economics 112.) Dress-making. (2 hours.) Fee, \$2.00.

Prerequisite: Home Economics 111 or its equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting, and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; remodeling of wool dresses.

Home Economics 213. (Formerly Home Economics 113.) Care and Selection of the Wardrobe. (2 hours.) Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of their wardrobes and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 222. Interior Decoration. (2 hours.) See Art 222.

Home Economics 223. Home and Social Problems. (2 hours.) Open to men students only.

Purpose: To create in boys a desire for higher home and social standards, thus helping them for the job of home making and more efficient citizens.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 224. Household Equipment. (2 hours.)

Purpose: To familiarize girls with various types of modern household furnishings and enable them to more wisely purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings including electric and non-electric; cleaning equipment; bedding, linens, china, glassware, and silver; floor coverings, etc.

Home Economics 225. Family Relationships. (2 hours.)

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life; place of children in the family; economic independence of women; home-making as a profession; distribution of the family income.

Home Economics 231. Home Nursing. (2 hours.) See Health 231.

Home Economics 301. Dietetics. (3 hours.) Laboratory fee, \$2.00.

Prerequisites: Home Economics 101, 201, 202, Chemistry 313 and Biology 381, or registration in Biology 381.

Purpose: To give students an opportunity to know nutritional values of foods; to apply the fundamental principles of human nutrition to the feeling of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods; requirements of the body under different living conditions; dietary problems; prevention of diseases through the diet.

Home Economics 315. Costume Design. (2 hours.) See Art 251.

Home Economics 316. Tailoring. (2 hours.) Laboratory fee, \$2.00.

Prerequisite: Home Economics 212.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 321. Home Management. (5 hours.)

Prerequisites: Home Economics 101, 201, 103, and junior or senior standing.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Home Economics 331. Child Care. (3 hours.)

Prerequisites: Education 111 and 213.

Purpose: To teach girls the proper care of the prospective mother, to teach them how to clothe, feed and care for an infant, and to study the correct habits of a child and the importance of these habits.

Topics: Prenatal care of the infant; assembling of a layette; infant nutrition; daily care of the infant; the pre-school child.

Home Economics 361. Materials and Methods for Teaching Vocational Home Economics. (3 hours.)

Prerequisites: Eighteen hours of Home Economics, Education 111, 213.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching; methods of presentation of various subjects and topics; observations of teaching; laboratory equipment; types of laboratories; books and periodicals.

Industrial Arts

Mr. Deniston

Industrial Arts 141. Elementary Cabinet Making. (3 hours.) Laboratory fee, \$6.00.

Purpose: The purposes of this course are to study furniture making as it may be taught to high school and vocational classes, and to consider the organization and teaching of such work in the schools.

Content: A study of the common hand tools, various kinds of woods, simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 191. Elementary Mechanical Drawing. (3 hours.) Laboratory fee, \$6.00.

Purpose: Given in the foundation course for mechanical and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing, and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. (2 hours.) Laboratory fee, \$4.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191 or Art 161.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink, and color.

Industrial Arts 242. Advanced Cabinet Making and Mill Work. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Industrial Arts 141 and Industrial Arts 191.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 244. Elementary Wood Turning. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To teach the student the use of the modern power wood lathe.

Topics: This course deals with the various methods in turning in hard and soft wood; it includes work between centers, face plate and chuck turning, finishing and polishing, and the sharpening and care

of tools used. Speed for different types of stock, the various materials used in turning and turning as a trade are also included.

Industrial Arts 245. Advanced Wood Turning. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 244.

Purpose: To give the student additional information and practice in the use of the lathe.

Topics: In this course the student designs his own projects. The different type of lathes, logical arrangements in shop, management, and the teaching of wood turning will receive special attention.

Industrial Arts 249. Wood Finishing and Decoration. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. Auto Mechanics. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: Given to acquaint the student with the theory of gas engine and automobile assembly.

Topics: A study of the various parts of the automobile, such as axles, springs, transmission, power plants, and repair jobs on these units. A thorough study of electricity as applied to the automobile, including storage batteries, ignition, wiring, starters, generators, and lighting is included.

Industrial Arts 292. Elementary Machine Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts, and conventions. The student secures his problem from perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 294. Elementary Architectural Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering, drawing from cast; sketching; lectures.

Industrial Arts 299. Lettering. (1 hour.) Laboratory fee, \$2.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 301. (Formerly Industrial Arts 201.) Projects in Industrial Arts. (1 or 2 hours.) By appointment. Laboratory fee, \$2.00 or \$4.00.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 361. History and Organization of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: General Psychology or six hours of Industrial Arts.

Purpose: To give the student a historical background and information concerning the organization of Industrial Arts.

Topics: A review of the development of educational hand work in Europe and the influence of this work on the Manual and Industrial Arts movement in the United States. Organization of Industrial Arts is discussed as to purposes, arrangement of courses, equipment, plans of school shop, and method of presentation and supervision.

Industrial Arts 364. Vocational Education. (2 hours.) Offered on demand.

Prerequisite: Open only to advanced students who present evidence of ability and fitness for supervisory work, or who have pursued two years' work in college.

Purpose: An informational course dealing with the different phases of vocational education.

Topics: A study will be made of the development and growth of the industrial movement in the United States, including the various types of schools, such as trade, continuation, part time, pre-vocational, and vocational, also trade and school surveys, State and Federal legislation and regulation.

Industrial Arts 366. Teaching and Supervision of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, and system of grading.

Library Science

Library Science 166. Library Methods. (1 hour.)

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliography, and printed aids in book selection.

Library Science 265. Library Work with Children. (2 hours.)

Not offered 1932-33, 1933-34.

Purpose: To familiarize those who wish to work in school libraries with the practices of library service to children.

Topics: Planning and equipment of the room, discipline, reference work with children, social and economic problems of the community that affect library work with children. Field work or laboratory practice in our Training School library and other libraries.

Library Science 269. Books and Reading. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: Reading for familiarity with books other than textbooks in each subject taught in the elementary school, and a study of ways to interest children in reading and to direct their reading.

Topics: Many books suitable for use in each grade and subject will be read or sampled in order to give the student direct contact with the books children like to read. The interest elements which govern children's reading at different ages will be studied and criteria set up for selecting other books that will be equally interesting. Methods and devices used in arousing interest and in guiding and directing reading will be studied and appraised.

Library Science 360. Administration. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: A study of the problems of the school library, including its organization, maintenance and control, planning and equipment, together with the relation of the librarian to the administrative officers, faculty and students, and the principal's part in its administration.

Topics: Problems and assigned readings concerning the place, function, administration and opportunity of the library in the modern school. Observation and practice in the school library, visits to nearby school libraries will supplement the class work. Individual projects are worked out in student's field of interest.

Library Science 361. Cataloging and Classification. (3 hours.) Not offered 1932-33, 1933-34.

Purpose: This course teaches the principles of dictionary cataloging and classification necessary in school libraries.

Topics: Attention is given to methods of classifying books; subject headings, shelf-listing, ordering and use of Library of Congress cards; and, to the alphabetical arrangement of cards. Instruc-

tion is based on the A. L. A. and Fellow's "Catalog Rules". Dewey's "Decimal Classification", and Sears' "List of Subject Headings for Small Libraries." The work includes practice in cataloging and classification.

Library Science 363. Reference and Bibliography. (3 hours.) Not offered 1932-33, 1933-34.

Purpose: This course is planned to make students thoroughly familiar with the content and use of reference books in those fields which are most useful in a school library, and to teach practical methods of doing research and reference work.

Topics: A comparative study will be made of dictionaries, encyclopedias, indexes, and handbooks as well as government documents and other reference materials. Periodicals and free material will be studied and evaluated and practice will be given in building up vertical file collections of clippings, pamphlets, and pictures. Problems involving the use of materials available in the library will be assigned and the preparation of various bibliographies required.

Library Science 367. Book Selection. (2 hours.) Not offered 1932-33, 1933-34.

Topics: A critical study of the principal aids to books selection; the checking of current book lists, discussion of American publishers and a study of their special editions; examining, reading and reviewing selected books from various classes, such as: literature, science, history, etc., keeping in mind a well-balanced collection; practice in writing book notes; a comparative study of trade bibliographies; possible picture collections and accumulation of such materials as might be needed by debate clubs, etc.

Library Science 369. Adolescent Literature. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: To acquaint students with the books which young people read in order that they may understand the varying appeals that books make to the adolescent boy and girl and thus learn how to select the right book for each reader.

Topics: A survey of the field of adolescent literature with special emphasis on the interests of the adolescent age. A comparative study of different types and classes of books that may be used to satisfy these interests and to broaden and enrich the student's experience in the curriculum and extra-curriculum fields of the secondary school. Type books in each interest group will be read and the influence of editions, illustrations, and format will be studied. The selection and evaluation of source material, magazines, classics, modern literature, and free material will also be stressed.

DIVISION OF FINE ARTS

Mr. Van Peursem	Miss Fowler	Miss Hull	Miss Nettinga
Miss Campbell	Miss Gibson	Miss Mebane	Miss Telford

Art

Miss Gibson	Miss Fowler	Miss Mebane
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Art 100. Blackboard Drawing. (2 hours.) Fee, \$1.00.

Purpose: This course is for public school teachers who want to learn to make simple drawings on the blackboard in order to explain points under discussion in the classroom.

Topics: Designs for borders are worked out in problems to be used in the graded schools, illustrative pictures are made. Practice is given in the use of white and colored crayons, charcoal, and other materials.

Art 115. Elementary Drawing and Design. (3 hours.) Laboratory fee, \$2.00.

Purpose: Development of technical skill. A course for the general student as well as a foundation course for the art major.

Topics: Application of art principles to the use of line, form, tone, and color in the representation of simple objects, plants, birds, animals, the human head and figure. Embraces the study of light and shade and the simpler facts of perspective. Mediums employed include pencil, charcoal, crayon, water color, clay.

Art 116. Elementary Drawing and Design. (3 hours.) Fee, \$2.00.
Prerequisite: Art 115.

Purpose: Development of technical skill and creative ability.

Topics: Elementary problems in color, design, pencil drawing, pen and ink drawing, composition, and poster design in which the technical ability acquired in the preceding course will contribute to original expression.

Art 161. Public School Art. (2 hours.) Fee, \$2.00.

Purpose: A course for the grade teachers who wish to become more efficient in the teaching of lettering, design, color, construction, and appreciation, in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants, and constructed objects; color; design; lettering; book making; appreciation.

Art 190. Appreciation of Art. (3 hours.) Fee, 75c.

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 215. Color Theory. (1 hour.) Fee, \$1.00.

Prerequisites: Art 115, 116.

Purpose: Development of ability to use color scientifically and to experience intelligent enjoyment of its effects.

Topics: The hues of the spectrum, their external causes, their appearance under different conditions of illumination, the different qualities of each which results from the use of various materials and methods of treatment. The use of typical color combinations; study of so-called systems of color, the six colors, Munsell, Wilson, Taylor, Jacobs, etc.

Art 216. Poster Design. (2 hours.) Fee, \$1.50.

Prerequisites: Art 115, 116, 225.

Purpose: Development of ability to employ art principles in the production of effective posters.

Topics: Advertising principles; the idea, developing the imagination; layout; lettering; techniques; processes of reproduction.

Art 222. Interior Decoration. (2 hours.)

Purpose: A course for the student who desires a general knowledge of the principles of design as they relate to the house and its interior. For the student majoring in art and home economics.

Topics: Treatment of interiors—line, form, color and texture in relation to furniture and backgrounds. The house and its setting, types of houses; study of period furniture, and characteristic period settings which may be applied to the house, and to special stage settings.

Art 225. Lettering. (1 hour.) Fee, \$1.00.

Purpose: Appreciation of the principles of design in topography and hand lettering, and ability to apply these principles in the production of hand lettering.

Topics: The fundamental styles of lettering, their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement including the making of monograms, lettered posters, show cards, and signs.

Art 255. Costume Design. (2 hours.) Fee, \$1.00.

Purpose: A course for the student majoring in art and in home economics. The course is planned to give a general knowledge of the principles of design as they relate to costume. Self-analysis through a knowledge of the human form which enables the student to adopt a mode of dressing that will accentuate natural charm and overcome defects of proportion and coloring.

Topics: Color, form, line, and texture. Units of work are based on the technical problems of representation of costumes in the medium of water color, pen and ink, crayon and tempera. Knowledge and appreciation of the work of modern dress designers. The influence of historic costume on modern dress and stage costumes.

Art 261. Art Education in the Elementary School. (2 hours.) Fee, \$1.50.

Prerequisites: Art 115, 116, 225, or 161 and 225.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary school.

Topics: Objectives of art education in the elementary school. The minimum content essentials, methods, and standards of attainment for the average child in the grade. Tests and measurements. Equipment.

Art 290. History of Art. (3 hours.)

Prerequisite: Art 115.

Purpose: This is a study of the history of art from pre-historic times. It includes the interpretation of art principles as expressed in early frescoes, painting and architecture, down through the ages until the present day.

Topics: An outline of art history is made, and a large number of pictures for study is required. Lectures illustrated with slides showing the best art of the world are a part of the work.

Art 314. Perspective Drawing. (1 hour.) Fee, 75c.

Prerequisite: Art 115.

Purpose: Development of background for work in composition and commercial art; development of background for informational or descriptive drawing. A course for the art major or for the general student.

Topics: Freehand and instrumental drawing of buildings, interiors, and near and far objects in landscape. Embraces the more generally used principles of perspective, including perspective of shadows and reflections.

Art 315. (Formerly 252). Drawing, Painting and Composition. (5 hours.)

Prerequisite: Art 161.

Topics: Painting in oils, tempera, water colors and crayons, with emphasis placed upon design in landscape composition and the development of creative expression.

Art 316. Drawing and Modeling. (2 hours.) Fee, \$1.25.

Prerequisites: Art 115, 116.

Purpose: Development of graphic ability.

Topics: Still life drawing in charcoal, principles of light and shade and perspective reviewed; drawing and modeling from the cast of the head and figure; figure sketching and composition.

Art 372. Applied Design. (3 hours.) Fee, \$3.00.

Prerequisites: Art 115, 116; for Home Economics majors, Art 115, 222.

Purpose: A course for students majoring in home economics and art. To develop an appreciation of good craftsmanship through a study of fine examples of crafts, and experience in the use of materials and processes.

Topics: An introduction to handicrafts and problems in craft work for the grades and high school. Application of design to stenciling, wood block, batik, leather tooling, tie dyeing, soap carving, and book making.

Art 375. Commercial Art and Illustration. (3 hours.) Fee, \$2.00.

Prerequisites: Art 115, 116, 215, 216, 225, 314, 315, 316.

Purpose: Development of creative ability and technical skill.

Topics: Lettering, layout, design, illustration in black and white and in color. Methods of reproduction.

Music

Mr. Van Peurse
Miss Campbell

Miss Hull

Miss Nettinga
Miss Telford

MUSIC FEES*

Individual Instruction (Piano, voice, violin, cello):

Two half-hour lessons per week, one semester	\$27.00
One half-hour lesson per week, one semester	18.00
Music 18a and 18b, one semester	5.00
Music 238b, one semester	5.00
Practice room with piano one hour daily, one semester.....	5.00
Use of school owned violin, one semester	2.50

MUSIC SCHOLARSHIPS

The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

Music 11a and 11b. Piano. Individual Instruction. (No credit.)
*Fees.

This work may be completed in one year, or it may require more time, according to the ability and application of the student.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65, Bk. I.

Music 18a and 18b. Piano. (No credit.) (Class instruction.)
*Fees.

Purpose: To give group instruction; to provide a foundation for correct piano playing and prepare the student for more advanced private study.

Topics: Hand position; notation; simple melodies; folk songs.

Music 31a and 31b. Violin. Individual Instruction. (No credit.)

***Fees.**

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales and exercises, as will prepare the student to enter Music 231a.

Music 36a and 36b. Violoncello. Individual Instruction. (No credit.)

***Fees.**

Music 150. Elements of Music. (2 hours.)

Purpose: To provide an elementary knowledge of music notation and terminology, and of the fundamental principles of reading by syllable.

Topics: Staff notation, bass and treble clefs, notes, rests, major and minor scales, chromatics, key signatures and other symbols used in music.

Music 151. Harmony I. (2 hours.) Receives credit only upon satisfactory completion of Music 152.

Prerequisite: Music 150.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and minor scales, intervals; triads, dominant seventh with its resolutions; inversions; harmony at the keyboard.

Music 152. Sight Singing and Ear Training. (1 hour.) Receives credit only upon satisfactory completion of Music 151.

Prerequisite: Music 150.

Purpose: To begin development of aural perception of music symbols; to teach association of the symbol with the tone it represents; to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups; verbal and tonal dictation, interval drill.

Music 153. Harmony II. (2 hours.) Receives credit only upon satisfactory completion of Music 154. A continuation of Music 151.

Prerequisite: Music 150, and 151.

Topics: Modulation by dominant seventh; cadence in new key; common chord modulation; dominant ninth; chords of the seventh; harmony at the keyboard.

Music 154. Sight Singing and Ear Training II. (1 hour.) Receive credit only upon satisfactory completion of Music 153.

Prerequisite: Music 152.

Topics: More difficult sight singing and tonal dictation; simple harmonic recognition; more complex rhythms.

Music 160. Public School Music. (2 hours.)

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles

applied to its presentation; to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades; child voice; tone quality; unmusical singers; rhythmic development; staff notations; beginning music reading; use of the phonograph in singing and in rhythm and appreciation work; materials; appreciation.

Music 201. Music Appreciation. (3 hours.)

Prerequisite: Music 150.

Purpose: To foster a love for, and understanding of, good music.

Content: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 202. Music History. (2 hours.)

Purpose: To study the history of music for its cultural and appreciative value.

Content: The development of ancient and medieval music, the lives of musicians up to and including the time of Beethoven, illustrated with phonograph records.

Music 203. Music History II. (2 hours.) A continuation of 202. The music and lives of composers since Beethoven.

Music 211a and 211b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatinas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy, Op. 120; Bach, Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Wolff, the Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny, Op. 299, Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Phillipp, Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths and tenths; tonic, dominant, and diminished seventh arpeggi and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, Three Part Inventions; Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradus ad Parnassum; Beethoven, Sonatas.

Music 221a and 221b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Breathing exercises inductive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. (2 hours.)

*Fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical Leier.

Music 231a and 231b. Violin. Individual Instruction. (2 hours.)

*Fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart Danca, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple, and quadruple; finger, shifting and bowing exercises; one and two finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, Selected Studies; Fiorillo and Parre; Miscellaneous pieces; One or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowings of the diminished seventh chord; all scales, ascending and descending on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

Music 236a and 236b. Violin cello. Individual Instruction. (2 hours.)

*Fees.

Music 238a. Stringed Instrument Class. (1 hour.)

Purpose: To give sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; Introduction to third position; Study, discussion, and practice teaching in the class; instrumental class procedure and methods.

Books I and II of various beginners methods; Three and four part ensemble material; Simple sight reading.

Music 238b. Stringed Instrument Class. (1 hour.)

*Fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginners methods; Supplementary practice and sight reading material.

Music 243a and 243b. Wind Instruments. Individual Instruction. (2 hours.)

*Fees.

Topics: Embouchure; principles of tone production; breathing; tonguing; phrasing; theory, including major and minor scales, arpeggi and easy transposition.

Universal Teacher, Maddy and Goddlings; Doudation Method, Vereecken.

Music 248a. Wind Instrument Class. (1 hour.)

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. Harmony III. (2 hours.)

A continuation of Music 153.

Music 252. Sight Singing and Ear Training III. (1 hour.)

A continuation of Music 154.

Music 253. Harmony IV. (2 hours.)

A continuation of Music 251.

Music 254. Sight Singing and Ear Training IV. (1 hour.)

Music 261. Grade Methods and Materials. (2 hours.)

Prerequisite: 160 and 150, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grade; to acquaint him with methods and materials.

Topics: Same as Music 160, but a more advanced consideration. The course includes observation, and library reading.

Music 262. Conducting. (2 hours.)

Prerequisite: 160 and 150, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton; tempo; attach; release; phrasing; dynamics; seating of the chorus and orchestra; discipline of rehearsals; community music.

Music 361. Supervision. (2 hours.)

Prerequisite: Music 211, 221, 253, 254, 261, and 262.

Purpose: To prepare the student for the varied activities of the music supervisor in the high school and grades.

Topics: Acquaintance with entire field of school music; music in the junior and senior high school; the instrumental field; outlines for music work; bibliography .

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Cox
Mr. Herndon

Mr. Hummell
Mr. Kennamer

Miss Krick
Mr. Rumbold

Biology

Mr. Rumbold

Miss Krick

Biology 121. General Biology. (4 hours.) Laboratory fee, \$4.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system embryology, homology, and analogy; protective coloration; adaptation, and genetics.

Biology 161. Nature Study. (3 hours.) Laboratory fee, \$1.50.

Purpose: To give the student an acquaintance with and an appreciation of nature, as well as to give him teachable information; to acquaint him with nature study literature.

Topics: This course includes a study of plants and animals, their recognition, habits, growth, adaptation to environment, relation to man and to each other. Methods of presentation are discussed.

Biology 225. (Formerly Biology 325.) Genetics. (2 hours.)

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's Laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 231. General Botany. (4 hours.) Laboratory fee, \$4.00.

Purpose: An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Advanced Botany. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 235. Local Flora. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 231 or 121.

Purpose: To familiarize the student with the local flora; to instruct in the use of various systematic keys to flora; to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classification; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 241. Invertebrate Zoology. (4 hours.) Laboratory fee, \$4.00.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa; porifera; coelenterata; ctenophora; platyhelminthes; nemathelminthes; annelida; echinodermata; mollusca; arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 243. Economic Entomology. (4 hours.) Laboratory fee, \$4.00.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 328. Animal Ecology. (2 hours.)

Prerequisite: One year of Biology.

Purpose: This course proposes a consideration of the natural history of animals; the relation of animals to their surroundings; and the responses of organisms to the factors of their environment.

Topics: Physical and chemical ecological factors, biological factors, succession, marine and fresh water animals, terrestrial animals, relation of animals to plants, relation of animals to color, intraspecific relations, the economic relations of ecology.

Biology 333. (Formerly Biology 233.) Plant Diseases. (3 hours.)
Laboratory fee, \$4.00.

Prerequisites: Biology 231, or 121 and permission of the instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States; to acquaint the student with the general problems in the field of plant pathology.

Topics: Typical plant diseases are studied with regard to their symptoms, causes and means of spread; life history of the causal organisms, economic importance of the disease and methods of control.

Biology 344. (Formerly Biology 244.) Animal Parasites. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirochaetacea; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trichina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Arachnida (mites and ticks); Arthropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 345. (Formerly Biology 245.) Embryology. (4 hours.)
Laboratory fee, \$4.00.

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 381. Animal Physiology. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

Chemistry

Mr. Cox

Mr. Herndon

Chemistry 101. Everyday Chemistry. (3 hours). Students who have had high school Chemistry are not permitted to take this course. Laboratory fee, \$1.50.

Purpose: The purpose of this course is to give one the fundamental principles of chemistry without going into the mathematics and the theory of chemistry. The course is designed for those students who want only a cultural knowledge of the subject. This is not a service course for Home Economics and pre-medical students.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. (4 hours.) Laboratory fee, \$4.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 214. Advanced Inorganic Chemistry. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 112 and 213.

Purpose: The theory of advanced inorganic chemistry with special reference to the study of the periodic and non-periodic properties.

Topics: Detailed study of the modern classification of the elements; molecular inorganic compounds; Werness theory of complex salts.

Chemistry 215. Organic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111 and 112. (112 not required as prerequisite for Home Economics majors.)

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantitative Analysis. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric; volumetric and electrolytic determinations.

Chemistry 311. Advanced Quantitative Analysis. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 312. Advanced Organic Chemistry. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 215.

Purpose: To give a general survey of the aromatic organic compounds and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, diazonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Bio-chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 314. Organic Preparations. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 215 and Chemistry 312.

Purpose: To give the student practice in the synthesis of complex organic compounds.

Topics: Frieda-Kraft synthesis; Benzion condensations; Goldsmith's synthesis; Perkins' synthesis; aceto-acetic ester synthesis.

Chemistry 315. Physical Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception of chemical laws and to illustrate interrelationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

Geology

Mr. Kennamer

Geology 201. Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Physics

Mr. Hummell

Physics 101. Everyday Physics. (3 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with the nature of the science of Physics and its applications. It is not intended to prepare the student to teach Science or Physics in the high school.

Topics: The course consists of a series of lectures and demonstrations of the fundamental principles of mechanics, sound, heat,

electricity, magnetism, and light. Applications of these principles to home and community life are pointed out. Written quizzes will be given after each group of eight or nine lectures.

Physics 201. Mechanics, Heat, and Sound. (5 hours.)

Laboratory fee, \$2.00.

Prerequisites: Mathematics 107 or Junior standing, Mathematics 113 or registration in Mathematics 113.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach Physics in high school, but also for those who expect to enter the field of engineering.

Topics: Falling bodies. Newton's laws of motion and applications to practical problems. Curvilinear motion. Composition and resolution of forces. The laws of equilibrium and their application to various problems. Work and energy. Machines. Momentum. Elasticity. Simple Harmonic Motion. Hydrodynamics. Heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. (5 hours.)

Laboratory fee, \$2.00.

Prerequisite: Physics 201.

This course is a continuation of Physics 201, and should be taken by the student who expects to teach Physics or General Science in high school, or to enter the engineering field.

Topics: Electrostatics. The nature of electricity. Properties of a moving electric charge (chemical, heating, and magnetic effects). Magnetism. Ohm's law. Measurement of electrical quantities. Sources of electrical energy. Lenz's law. Inductance and capacity. Alternating current. Electric waves and radio.

Physics 301. An Advanced Course in Mechanics. (5 hours.)

Prerequisites: Mathematics 352 and Physics 201 and 202.

This course is given primarily for those majoring, or taking a first minor in Physics. Much stress is put upon the solution of problems.

Physics 302. Introduction to Physical Optics. (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion. Reflection and refraction. Further study of lenses. The telescope. Dispersion. Facts concerning the spectrum. Interference. Diffraction. Plane Polarized Light. The Electromagnetic theory of light. The Quantum Theory and Origin of Spectra. The dilemma. Can the existence of an ether be detected?

Physics 303. Advanced Heat (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of heat and its related phenomena.

Topics: Temperature and thermometry. Errors of a mercurial thermometer with their corrections. Expansion of solids, liquids, and gases. Calorimetry. Change of state. The first law of thermodynamics. The Kinetic theory of gases. Carnot's cycle and the second

law of thermodynamics. Electrical instruments. Convection and conduction of heat. Radiation.

Physics 304. Advanced Electricity and Magnetism. (3 hours.)

Prerequisites: Physics 201, 202, and Mathematics 251.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism. The electric current. Electrostatics. Electrolysis. Thermo-electricity. Electromagnetics. Alternating currents. Electromagnetic radiation. Conduction in gases. Electrons and atoms.

Physics 305. A Laboratory Course in Electrical Measurements. (2 hours.) Laboratory fee, \$2.00.

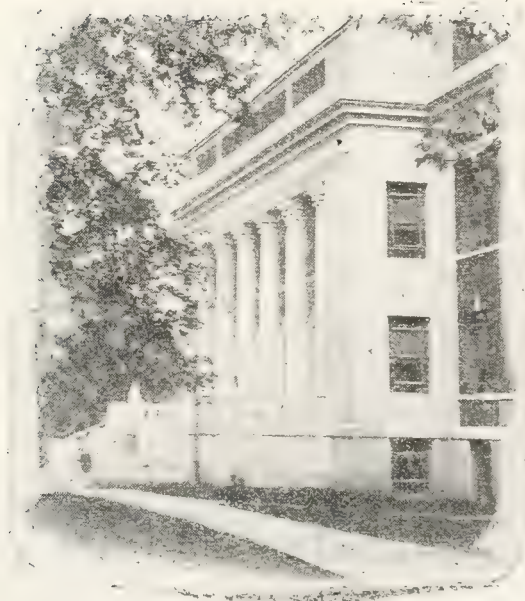
Prerequisites: Physics 201 and 202.

Purpose: To acquaint the student with the use of a "Test Set" for electrical measurements in commercial practice, and also with laboratory methods.

Topics: Bridge methods and the direct deflection method of measuring resistances. Checking up Ammeters and Voltmeters. Capacity and inductance measurements. Testing out grounds.

Physics 306. A History of Physics. (1 hours.) Offered on demand.

Prerequisites: Physics 201 and 202.



Administration Building.

DIVISION OF EDUCATION

Mr. Jones
Mrs. Case
Mr. Cuff
Mr. Edwards

Mr. Ferrell
Miss Hansen

Mr. Jagers
Mr. Mattox
Miss Schnieb
Mrs. Tyng

Training School Staff

Miss Adams
Miss Alvis
Mr. Bryant
Miss Carpenter
Mr. Coates

Mr. Grise
Miss Hanson
Miss Lee
Miss Lingenfelter
Miss Pugh

Miss Rush
Miss Story
Mr. Walker
Miss Wilson
Miss Wingo

Education 111. Educational Psychology. (3 hours.)

Purpose: (a) to introduce the future teacher to the fundamental principles of educational psychology; (b) to teach the student to apply the psychology of learning to classroom practice; (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology; individual differences; original tendencies; mental health; measurement of non-intellectual traits; measurement of mental ability; uses and results of intelligence tests; the laws of learning; motivation and initiative; efficient learning; the permanence of modification; transfer of training; measurement of achievement; uses of educational tests; the new type of classroom tests; predicting performance; educational guidance.

Education 160. Classroom Management. (3 hours.)

Purpose: To acquaint the student with the problems of school management; to see how to handle these problems with the minimum amount of energy and time; to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two; to acquaint the student with a well-organized, well-managed school through directed observation in demonstration school.

Topics: Organizing the school; the first day of school; the daily program; the gradation and classification of pupils; discipline; management of the library; attendance; records and reports; school-room equipment; classroom routine; school house keeping; sanitation and health; management of extra-curricular activities.

About one-fifth of the time will be spent in observation in a regularly organized training school meeting the standards of the American Association of Teachers Colleges.

Education 162. Teaching the Common School Branches. (3 hours.)

Purpose: (a) to familiarize the student with the state course of study; (b) to give practice in organizing materials for class work; (c) to acquaint the student with modern methods of teaching through directed observation in a demonstration school.

Topics: Subjects as outlined in the state course of study with special emphasis on reading, language, spelling and arithmetic; educational seat activities; measuring instruction by the use of examinations, standardized and new type tests.

This course meets four hours per week, at least one of which is spent in observation in a regularly organized training school, a school organized especially for training school purposes and meeting the standards of the American Association of Teachers Colleges.

Educational 201. The Junior High School. (2 hours.)

Purpose: To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school; (b) to give an understanding of the purposes of the junior high school, its organization, and administration; (c) to determine the peculiar objectives and functions of the junior high school education; (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

Education 203. Principles of Teaching. (3 hours.)

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching; (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education; meaning and function of the school; meaning and evidences of learning; purposeful activities; selection and organization of subject matter; various types of class procedure; making assignments; standards for judging teaching.

Education 211. General Psychology. (3 hours.)

Purpose: (a) To present the problems, methods, and facts of psychology as a science; (b) to show applications of psychology; (c)

to teach students to apply psychological principles to situations in which they may be helpful.

Topics: The problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments; laws of learning; economy in learning; general intelligence and special aptitudes; personality; individuality; applications of psychology.

Education 213. (Formerly 114.) Child Psychology. (3 hours.)

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood; (b) to describe the behavior and activities which may be expected of a child in any stage of development; (c) to teach the student how to observe and to interpret the behavior of children; (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction; biological and social heredity; the child as an organism; instincts; emotions; linguistic development; development of handedness; development through play; physical development; hygiene; learning and acquisition of habits; mental development; intelligence; social and moral development; the exceptional child; individual differences; guidance of children.

Education 214. Psychology of Adolescence. (3 hours.)

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence; (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens; (c) to teach students how to solve problems of adolescent behavior; (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction; physical development; mental development; growth of intelligence; adolescent instincts and interests; emotional life; learning and forgetting; moral and religious development; adolescent personality; disturbances of personality; hygiene of adolescence; prediction of adolescent behavior; guidance of adolescent behavior.

Education 223. Principalship. (3 hours.)

Purpose: The purpose of this course is (a) to give the student a knowledge of the problems of the principal; (b) to study and evaluate the activities and responsibilities of the principal; (c) to acquaint the student with the relation of the principal to teaching, supervision, community activities, and the teaching profession; and (d) to present some of the outstanding problems in the administration and supervision of the elementary and secondary schools.

Topics: History and philosophy of the twelve-grade common school; training of the principal; leadership functions of the principal; office organization for business administration; classification of pupils; pupil progress and promotion; administration of buildings and grounds; adaptation of courses of study to individual needs; purchase of supplies and equipment; establishment and administra-

tion of libraries; supervision of teaching-learning; measuring the work of the twelve-grade school; problems of transportation; importance of maintaining friendly public relations; problems of articulation; integration and unification.

Education 254. (Formerly 164.) Reading in the Elementary School. (3 hours.)

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Education 261. Fundamentals in Early Elementary Education. (3 hours.)

Purpose: (a) to provide graduated approach to student teaching in the primary grades; (b) organize units of work, both group and individual; (c) introduce methods in teaching grades one, two and three; (d) learn to make lesson plans; (e) give practice in organizing materials for the between-recitation period; (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings and by classroom discussion; (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction; (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 262. Fundamentals in Rural Education. (3 hours.)

Purpose: (a) To provide graduated approach to student teaching in rural schools; (b) to give practice in selecting and organizing materials for class work; (c) to develop a technique of lesson planning; (d) to introduce some of the devices used in modern teaching; (e) to suggest desirable relationships between school and community; (f) to evaluate theories of teaching in the light of classroom procedure, by directed observation in the Rural Demonstration School and in the Training School by assigned readings and by class discussion.

Topics: Standards for observing class work; lesson planning; teaching the elementary school subjects in rural schools; selecting and organizing materials; organization of a rural school; school

housekeeping; discipline; schoolroom equipment; school and community relationships; measuring progress of instruction.

Education 263. Fundamentals in Intermediate Education. (3 hours.)

Purpose: (a) to acquaint the student with the common school problems and activities which arise in the experiences of teachers; (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes; (c) to give practice in organizing units of work for use in the intermediate grades; (d) to give practice in making lesson plans; (e) to introduce some of the devices and methods used in modern teaching; (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School by assigned readings and class discussion.

Topics: The meaning and the function of the school; school organization and equipment; class organization; function of the course of study; curricular activities and materials; classroom routine and equipment; community cooperation; standards for observing class work; lesson planning; teaching the elementary school subjects in the later grades; measuring progress of instruction.

Education 264. Methods of Teaching in the Secondary School. (4 hours.)

Purpose: (a) To provide a graduated approach to student teaching in the high school grades; (b) to give practice in selecting and organizing materials for teaching purposes; (c) to develop a technique of planning instruction; (d) to familiarize prospective high school teachers with the newer forms of teaching technique; (e) to emphasize the desirable outcomes of high school teaching; (f) to analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time

and effort; technique of class management; providing opportunity for pupil's activities; exhibiting useful teaching traits.

Education 265. Supervised Student Teaching in the Early Elementary Grades. (3 hours.)

Prerequisite: 261 or 262.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in primary teaching; and (2) to acquaint the student teacher with modern devices and materials of primary teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the materials of instruction used. Under the training teacher's supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room for a whole day. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 263. Supervised Student Teaching in the Intermediate Grades and High School. (3 hours.)

Prerequisite: 262, 263 or 264.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the upper grades and junior high school; and (2) to acquaint the student teacher with modern devices and materials for teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the subject matter he intends to teach. Under the training teacher's supervision lessons are planned and help given in performance of routine. At least two different subjects are taught during the term. If a student teacher has a special subject in which he is taking a major or a minor, he may do one-half of his student teaching in that subject. All student teachers meet the training teacher under whom they work for one-hour conference period daily.

Education 268. Extra-Curricular Activity. (2 hours.)

Purpose: (a) To provide a brief survey of the organization of extra-curricular activity; (b) to familiarize prospective teachers with the basic principles and educational philosophy underlying extra-curricular activity; (c) to suggest desirable programs of activity and to assist teachers in planning and conducting such programs; (d) to interpret and evaluate student organizations and activities.

Topics: Origin, development, and present status of extra-curricular activities; objectives and functions of student organizations, distinctions between curricular activities and extra-curricular activities; principles and practices governing the supervision and administration of activities; some apparent dangers of extra-curricular activity; types of activities and organizations; home-room organization

and activity; the assembly; student participation in school government; programs for special days and occasions; supervising play and athletic activities; clubs; dramatic and musical organizations; literary societies, debating, and public speaking; school trips and excursions; secret societies; social activities; school publications, school newspaper, magazine, yearbook, and handbook; honor societies; commencement and class day programs; school banks and banking; study hall and library activities; training and guidance of student chairmen, secretaries, and leaders; parliamentary procedures; girl reserve movement; Christian Association; the Junior Red Cross; Boy Scouts; Girl Scouts; Camp Fire Girls; drives and campaigns; faculty advisers and relationships; encouraging and limiting student participation; duties of the director of activities, the principal, dean of girls, sponsors, and teachers with reference to extra-curricular activities, citizenship and school spirit; manners and courtesy; publicity for organizations; materials for programs; conduct of programs and assemblies; relation of the teacher to the community; criteria for evaluating extra-curricular activities.

Education 269. Visual Instruction. (2 hours.)

Purpose: (a) To give the student an appreciation of the possibilities of visual education; (b) to set up criteria for selecting and buying materials and equipment for visual instruction; (c) to acquaint the student with the sources, uses and care of visual education equipment.

Topics: The psychology and value of visual education; the place and use of visual instruction in teaching the different subjects at the various grade levels; the criteria for the selection and purchase of equipment together with the sources and costs of it; the use and care of such equipment.

Education 302. Philosophy of Education. (3 hours.)

Purpose: (a) To lead the student to recognize that education is the process by which one's attitudes toward society are formed; (b) to assist the student in discovering the relation between education and the character of government under which he lives; (c) to help him to understand the meaning of education in his effort to achieve the abundant life.

Topics: The meaning of education; educational values; education and democracy; the development of ideals; education as a necessity of life; education as growth; interest and discipline; thinking in education; the nature of the subject matter; education and philosophy.

Education 305. Educational Sociology. (2 hours.)

Purposes: (a) to investigate the several factors and laws upon which educational theory and practice must rest; (b) to give a concrete picture of the actual conditions and the distinctive characteristics of group life; (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other

institutions of the community; (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in a changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 311. Character Education. (2 hours.)

Purpose: To afford the student an acquaintance with the psychology of and the proposed plans for character development.

Topics: Need of character education; objectives of character education; sources of conduct; evolution of conduct; methods of measuring personality and character growth; plans for character development—home training, direct instruction, discipline, codes, honor systems, extra-curricular activities, curricular activities, and religious organizations; the most promising experiments; research needed.

Education 315. Advanced Educational Psychology. (3 hours.)

Purpose: (a) To enable the student to become better acquainted with the native equipment of children; (b) to test the student's ability to teach by his knowledge of how learning occurs; (c) to discuss conditions for effective school work; (d) to apply the principles of psychology to the solution of the teacher's problems.

Topics: Introduction; nature and nurture; the organism; innate tendencies; mental measurement; individual differences; causes of individual differences; measures of individual differences; general principles of learning; special abilities and disabilities in learning; learning and motivation; the psychology of the teacher; the psychology of language, reading, spelling, and arithmetic; transfer of training.

Education 318. Educational Guidance. (2 hours.)

Purpose: To have those who are interested make a survey of the methods that have been used in the past and a critical examination of the methods now being employed in educational guidance.

Topics: Evolution of educational guidance; nature of educational guidance; need for guidance; how some representative workers are meeting the need for guidance; nature of elementary school guidance; nature of secondary school guidance; tests, measurements,

aptitude, ability, and personality rating scales with especial reference to their usefulness in the guidance of young people; social activity; school work and health of students; solving problems of individual maladjustment; vocational guidance; form and content of record blank.

Education 321. Educational Measurement. (2 hours.) Fee, \$1.25.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 331. History of Education. (3 hours.)

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization; (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage; (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline; education influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 341. The Elementary School Curriculum. (3 hours.)

Purpose: (a) To acquaint the student with the literature on curriculum construction; (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and

to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education; function of the school; function of the curriculum; the curriculum as related to the objectives of education; criteria for evaluating curricula; need and procedure for curriculum construction and revision.

Education 351. (Formerly Education 251.) Rural School Supervision. (3 hours.)

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools; (b) to assist the student in planning and administering a desirable supervisory program; (c) to give instruction in the use of the various agencies of supervision; (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; gradation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

Education 352. (Formerly Education 252.) County School Administration. (3 hours.)

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools; (b) to present a desirable philosophy of rural education; (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendent; powers, duties and qualifications of the members of the county board of education; school organization and control; the county unit system: the school plant, location, equipment, and care of buildings; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems;

playgrounds and playground equipment; problems of small schools, especially of one-, two-, and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the county superintendent as secretary of the county board; relations between the superintendent and the board; bookkeeping of the county superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

Education 358. Public School Finance. (2 hours.)

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities; the units of school support, apportioning the benefits and the sources of public school revenue.

Education 363. Student Teaching. (5 or 2 hours.)

Prerequisite: Education 261, 262, 263, or 264.

Purpose: The purpose of this course is (1) to develop the skills, techniques, and controls necessary to successful classroom teaching; and (2) to acquaint the student teacher with modern devices, materials, and methods of teaching.

Topics: The student teacher observes the activities of the classroom, studies the children and the subject matter he intends to teach. Lesson plans are made under the direction of the critic teacher and directions are given by the critic teacher for the performance of routine duties. Student teachers meet the training teacher under whom they work for one hour of conference period daily.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Mr. Farris
Mr. Carter
Mr. Hembree

Miss Hood
Miss Hughes
Mr. Hughes

Mr. McDonough
Mr. Portwood
Miss White

Health

Mr. Farris
Mr. Carter

Mr. Hembree
Miss Hood
Miss White

Miss Hughes
Mr. McDonough

Health 100. Personal Hygiene. (2 hours.) Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. Sanitary Science. (3 hours.)

Purpose: To study the fundamental principles of sanitary science and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Micro-organisms in relation to sanitation; personal and public hygiene; food protection and preservation; the protection of the water and milk supply; immunization and control of communicable diseases; home and school sanitation; social and economic aspects of health problems; health administration; function and authority of health officers, etc.

Health 202. First Aid to the Injured. (1 hour.) Fee, 50c.

Purpose: To prepare the prospective teacher, by demonstration and practice, to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.) (2 hours.)

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients

in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Advanced Sanitary Science. (5 hours.) Laboratory fee, \$4.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique; sterilization; preparation of culture media; isolation and identification of bacteria; efficiency of disinfectants, control of communicable diseases; determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. Bacteriology of Foods. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation; food poisoning; food preservation; canning; pickling; use of chemicals in food preservation.

Health 362. Individual Gymnastics. (2 hours.) Fee, 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. (3 hours.)

Prerequisites: Health 100 and 101.

Purpose: To present the general and special principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and practiced.

Topics: Objectives of health program; development of a health consciousness; the use of the school environment as teaching material; health projects; an analysis of school practices and activities as they contribute to health. Required of all Physical and Health Education majors.

Physical Education

Mr. McDonough

Miss Hood

Mr. Hughes

Mr. Hembree

Miss Hughes

Mr. Portwood

Recreational Activities. (½ hour.) Required of all Freshmen and Sophomores. Fee 50c.

Purpose: To cultivate in the individual the desirable attitude toward play in relation to the proper use of leisure time. Sports with the greatest carry-over and games requiring minimum equipment are stressed.

Activities:

Section A. Circle games, relays, game skills, mass games, and plays.

Section B. (Women.) Story plays and rhythmical activities.

(Men.) Modified athletics—playground baseball, volley ball, touch football, cage ball, basketball, and handball.

Section C. (Women.) Swimming.

(Men.) Self testing activities and combative work.

Section D. (Women.) Modified athletics and self testing activities.

(Men.) Swimming.

Physical Education 114. Plays and Games. (2 hours.) Fee, 50c.

Purpose: This course is designed for teachers in rural and urban schools who are required to conduct plays and games.

Topics: Plays and games will be taught and adapted to school-room, playground, and gymnasium. Games with elements of fleeing, dodging, running, throwing, and various tag and "it" games will be included in the course.

Physical Education 115. Rhythmical Activities. (Formerly Folk Dancing and Singing Games.) (1 hour.) Fee, 50c.

Purpose: To offer the teacher rhythmical materials for teaching under various conditions.

Topics: Rhythmical plays, folk dancing and national dances. Graded for different levels of school organization.

Physical Education 130. Combative Activities. (2 hours.) Fee, 50.

Purpose: A course designed for physical education majors, minors, and varsity athletes for the purpose of teaching self-defense and conditioning through combative activities.

Activities: Boxing and wrestling. Approximately one-half the time is devoted to each.

Physical Education 210. Elementary Swimming. (1 hour.) Fee, 50c.

Purpose: To give the novice an opportunity to become skillful in a wholesome form of activity from which keen enjoyment and safety may be derived.

Activities: Elementary crawl, side stroke, elementary back stroke, and treading.

Physical Education 214. Natural Dancing. (1 hour.) Fee, 50c.

Purpose: To interpret music through dancing, give training in rhythm, etc.

Activities: Solo and group dances are presented which are adaptable to demonstrations, festivals, and pageants.

Physical Education 250. Scouting and Clubcraft. (3 hours.) (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft is emphasized; scoutmasters' certificate is awarded to all completing the course.

Physical Education 251. Clubcraft. (3 hours.) (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girls scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 261. Coaching Basketball. (1 hour.) (Men.) Fee, 50c. (Nine weeks.)

Purpose: Course offered to give prospective coaches a theoretical and practical background.

Topics: Principles of game; requirements for each position; individual and team coaching; systems of offense and defense; interpretation of rules; officiating. Participation on varsity or intramural teams required.

Physical Education 263. Coaching Baseball. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: Course designed to give prospective coaches a theoretical background as well as an opportunity to participate in baseball.

Topics: Batting, pitching, base running, theory and practice. Team work and individual fielding of each position; how to organize and conduct intramural and interschool schedules.

Physical Education 264. Coaching Football. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: A course designed for players and prospective coaches.

Topics: General principles; systems; generalships; strategy; rules; officiating; equipment, and schedules.

Physical Education 265. Coaching Track and Field. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: A course for men preparing to coach in Junior or Senior High School.

Topics: Accepted track and field activities, training methods; organization of meets and field days.

Physical Education 266. Materials and Methods for Teaching Physical Education. (3 hours.)

Purpose: A professional course for classroom and playground teachers and leaders.

Topics: Mental, social, and hygienic values of physical education; measurement in physical education; study of programs; materials for Elementary and Intermediate grade levels; lesson planning and observation.

Physical Education 267. Physical Training Activities. (2 hours.) Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics; dancing; free exercise; hand apparatus; mimetics and games, and stunts.

Physical Education 268. Advanced Physical Training Activities. (2 hours.) Fee, 50c.

Prerequisite: Physical Education 267.

Purpose: Continuation of Physical Education 267.

Topics: Advanced tactics, drills for demonstrations, natural exercises, pyramid building, games, opportunity for leadership and practice teaching.

Physical Education 275. Clog and Character Dancing. (1 hour.) Fee, 50c.

Purpose: Teaching dances and rhythmic step of a vigorous nature.

Activities: Stunts; athletic dancing; folk character and clog steps.

Physical Education 276. (New.) Advanced Clogging. (1 hour.) Fee, 50c.

Prerequisite: Physical Education 275.

Purpose: Teaching dances and rhythmic step of a vigorous nature.

Activities: Advanced clogs and athletic dances.

Physical Education 363. History and Principles of Physical Education. (3 hours.)

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education; sources and data of principles; aims and objectives; psychology of Physical Education; standards and tests.

Physical Education 368. (New.) Organization of Physical Education. (2 hours.)

Prerequisites: Physical Education 266, 267, 268.

Purpose: Designed for minors and majors in health and physical education, dealing with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems, grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark
Mrs. Barnhill

Miss Buchanan
Mr. Keene

Mrs. Murbach
Miss Pollitt

English

Mr. Clark

Miss Buchanan
Mrs. Barnhill

Mr. Keene

English 101. Oral and Written Composition. (3 hours.)

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (3 hours.)

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. (3 hours.)

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to consider the problems of managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-ups, size, type, headlines, advertising, tone, etc., kinds and methods of journalistic writing and practices in each; headlines; make-up; copy; proof reading; organization of staff; problems in managing and advising an editorial and business staff and suggestive methods.

English 205. Argumentation. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument, fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 211. English Literature. (3 hours.)

Prerequisite: English 101 and 102.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selecting of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucer's England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature; English poetics.

English 212. English Literature. (3 hours.)

Prerequisite: English 101 and 102.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries, and with the movements, influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period, characteristics, influences, writers, literature as to form, method, and content; mid and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to

leading forms, method, and content; values in literature; English poetics.

English 213. American Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical, and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism: disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied; values and elements of appeal for the upper grades and high school.

English 215. Nineteenth Century Prose. (3 hours.) (Not offered in 1933-34.)

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; an analysis of the prose style of some of the essayists; oral and written reports.

English 216. The Short Story. (2 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topics: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high schools.

English 217. Contemporary Literature. (3 hours.)

Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 231. Public Speaking. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes, and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To pursue a somewhat systematic study of children's literature in order that the primary teacher may know and appreciate the best in this particular field.

To give the student a rich background from a rather wide reading of children's books in order that she may be capable of guiding children's reading.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics: Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, and children's poetry. Picture books and modern illustrators of children's books will also be studied. Methods of teaching literature in the primary grades are incidentally touched upon.

English 262. Play Producing. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: A practical laboratory course to prepare students to produce plays in schools and communities.

Topics: Organization and duties of producing staff; designing, making, and painting scenery; lighting and mechanical equipment of stage; costuming and make-up; theories of color and design on stage; practical work in mounting plays on miniature stage and the public presentation of class work; collateral reading in the history of the stage and national trends in theater design.

English 263. Play Directing. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint the student with types, theories, and practices in directing plays.

Topics: Relation of director to play, author, actor, and staff; methods of choosing plays and casts; methods of rehearsing; blocking and building dramatic scenes; study of rhythm, design, and grouping; of tempo, atmosphere, and climax; character interpretation; practice work in directing; elementary principles of voice and diction; collateral reading in theory of play coaching and of plays suitable to amateur production.

English 264. Story Telling. (3 hours.) (Not offered in 1932-33).

Prerequisite: English 261.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given in the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 266. Literature for the Intermediate Grades. (3 hours).

Prerequisites: English 101 and 102.

Purpose: To offer the students opportunity for making a wide acquaintance with books for children of the intermediate grades so that they may share more fully with the children the pleasures of good reading.

Topics: This course includes extensive reading of the following types of children's literature: myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. The study will be sufficiently detailed to give a good basis for the appreciation, selection, and presentation of the best and most suitable material for the intermediate grades.

English 301. Advanced Composition. (3 hours.) Required of juniors and seniors who have less than six hours of freshman English, and of English majors and first minors.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 311. Shakespeare. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's England and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 312. Contemporary Drama. (3 hours.) (Not offered in 1932-33.)

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 313. World Literature. (3 hours.) (Not offered in 1932-33.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and saga, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 314. The Novel. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 321. Romantic School of Poets. (3 hours.) Not offered in 1932-33.)

Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic movement; to present the various elements that compose the movement.

Topics: The course includes the beginnings of Romanticism; Burns and his contribution; Wordsworth and his theory of poetry; Coleridge; Scott and Southey; Byron, Shelley, and Keats; definition of romanticism; written reports.

English 322. Victorian Poets. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the student with some of the characteristic poetry from the time of Tennyson until the close of the century, and to help him interpret the spirit of the age through its poetry.

Topics: The social, religious, industrial, and intellectual unrest of the time as evidenced by the poetry; the Oxford Movement; the pre-Raphaelite Brotherhood; naturalism and realism in the latter part of the period; the poetry of Tennyson, the Brownings, Arnold, Swinburne, the Rossettis, Morris, Hardy, and others; a comparison of the work of these poets with that of American poets of the period.

English 323. Milton. (2 hours.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*.

English 324. Medieval Story. (2 hours.) (Not offered in 1933-34.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; social and moral ideals which they reveal.

English 335. Interpretative Reading. (3 hours.) (Not offered in 1933-34.)

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 341. History of the English Language. (2 hours.) (Not offered in 1933-34.)

Prerequisites: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 361. Kentucky Literature. (2 hours.)

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings; ante-bellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

French

Mrs. Murbach

French 151. Elementary French. (3 hours.)

Purposes: (a) To introduce the student into the field of modern language study and acquaint him with the mechanics of the subject; (b) to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: First thirty-five lessons in MacKenzie & Hamilton "Elementary French Grammar"; reading of seventy-eight pages in "Contes de France," Meras & Roth; drill on oral French, beginning of French conversation, and special ear training in French sounds by use of French victrola records.

French 152. Elementary French. (3 hours.)

Prerequisite: French 151 or one unit of high school French.

Purpose: To continue the study begun in 151.

Topics: Lessons 35-62, MacKenzie "Elementary French Grammar"; pp. 79-126, "Petitus Contes de France," Meras & Roth; "Le Voyage de M. Perrichon," Labiche; copious work in oral French.

French 251. Intermediate French. (3 hours.) Not offered 1932-33.

Prerequisite: French 151, 152 or two units of high school French.

Purposes: (a) To continue the study of French grammar; (b) to increase the student's use and comprehension of oral French; (c) to continue the study of French Literature.

Topics: (a) Careful study of Badaire's "Precis de la Literature Francaise"; (b) Rapid reading of "Le Roman d'un Jeune Homme Padre," Feuillet; and "Le Petit Journal," with class discussions conducted in French; (c) Grammar review in "French Review Grammar," Barton and Sirich.

French 252. Intermediate French. (3 hours.) Not offered 1932-33.

Prerequisite: French 151, 152, 251, or three units of high school French.

Purposes: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: (a) Intensive reading of "Colomba", Merimee; (b) Rapid reading for conversational purposes of "L'Abbe Constantin", Halevy, and "Le Petit Journal"; (c) French composition.

French 254. French Prose Classics. (3 hours.)

Prerequisite: 251, 252 or four units of high school French.

Purposes: (a) To develop the student's powers to read French rapidly; (b) to increase facility in the use of spoken French.

Topics: (a) Intensive reading of "Les Trois Mousquetaires", Dumas; "Quatre-Vingt-Treize", Hugo; "Eugenie Grandet", Balzac; (b) Selected library readings from Montaigne, Fenelon, Mme. de Sevigne, Rousseau, Voltaire, Diderot; (c) grammar review and composition.

French 255. French Prose Classics. (3 hours.)

Prerequisite: French 254.

Purpose: To continue the work begun in 254.

Topics: (a) Class discussion of one work of the authors Daudet, Maupassant, Sand, Bazin and Loti; (b) Library reading from the works of Chateaubriand, Mme. de Stael, Lamartine, Flaubert, Zola, Bordeaux, Barres and France; (c) Grammar review in "Sketch Maps of France," Kullmer and Gerard.

French 355. French Drama. (2 hours.) Not offered 1932-33.

Prerequisite: French 254 and 255.

Purpose: (a) To follow the rich stream of French drama from medieval times to the present; (b) to see something of the development of French thought as reflected in the national drama.

Topics: (a) Medieval romanticism, the renaissance, classicism, eighteenth century satirical drama, modern romanticism and the schools which sprang from it are treated in lectures; (b) Representative plays from the drama of the last three centuries are read.

French 356. French Seminar. (2 hours.) Not offered 1932-33.

Purpose: (a) This course is designed to round out as much as possible the major work in French, giving a view of the subject as a whole, supplementing at points which have of necessity been neglected and discussing problems for study in the future as the student goes into the teaching field or the graduate school.

Topics: (a) Rapid review of the great schools of prose, drama and poetry; (b) weekly compositions on assigned subjects in French literature; (c) conversation in the salon manner on problems of interest to the language student.

French 365. Teacher Training Course. (1 hour.) Not offered 1932-33.

Prerequisite: French 253 or 255.

Purposes: To review grammar principles and phonetics; to take up methods used in teaching French in elementary and high schools; to discuss textbooks, anthologies and sources of material for extra curricular interests in language for teacher and student.

Topics: Handschin's "Methods of Teaching Modern Languages;" Nitze and Wilkins "Handbook of French Phonetics"; library reading of the "Report of the Committee of Twelve"; assigned readings in the Modern Language Journal.

German

Miss Pollitt

German 131. Elementary German. (3 hours.) Not offered 1932-33.

German 132. Elementary German (Continued). (3 hours.) Not offered 1932-33.

German 231. Intermediate German. (3 hours.)

Prerequisite: German 131 and 132, or two units of High School German.

Purpose: To continue the study of German language and literature.

Topics: (a) Work in German prose translation, (b) reading of selected German classics of intermediate difficulty, (c) conversation, (d) book reports on various translations of German masterpieces.

German 232. Intermediate German (Continued). (3 hours.)

Prerequisite: German 131, 132, 231, or three units of high school German.

Topics: Continuation of work of German 231 on higher levels and of greater difficulty.

Latin

Miss Pollitt

Latin 104. Selections from Livy. (3 hours.)

Prerequisite: Three units of high school Latin or the equivalent thereof.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Momm- sen, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 108. Selections from Horace. (3 hours.)

Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in 104 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Latin 121. Intensive Study of First Year Latin. (2 hours.) Not offered 1932-33.

Purposes: (a) The work of this course represents the equivalent of one year's high school Latin and is recommended for teachers of Latin who wish to become acquainted with the newer text books and methods which have been introduced since the Classical Survey. It is not to be given college credit, if Latin has been used for entrance credit, except by indorsement of the Registrar at time of registration; (b) mature students who have some immediate purpose in beginning

in college the study of Latin, such as pre-medical or other pre-professional students, will be admitted.

Topics: Study of first year Latin according to latest text books, using topics recommended by Classical Survey.

Latin 122. Intensive Study of Second Year Latin. (3 hours.) Not offered 1932-33.

Prerequisite: One unit of high school Latin.

Purposes: The object of this course is identical with that of Latin 121, viz.: (a) for review work for teachers; (b) for pre-professional work; (c) to make up earlier deficiencies in Latin.

Topics: (a) Careful review of first year material; (b) Cæsar's Gallic and Civil Wars; (c) selected readings from writers of similar difficulty.

Latin 123. Intensive Study of Third Year Latin. (3 hours.) Not offered 1932-33.

Prerequisite: Two units of high school Latin.

Purpose: The object of this course is identical with that of Latin 122.

Topics: Cicero or Ovid and other writers of similar difficulty will be studied as needs of the students require. Course developed with especial reference to students along same lines as Latin 122.

Latin 201. Latin Prose of the Silver Age. (3 hours.) Not offered 1932-33.

Prerequisites: Latin 104, or the equivalent.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus Agricola; (c) selected readings from other representative writers.

Latin 202. Satire and Epigram. (3 hours.)

Prerequisite: Latin 104, or the equivalent.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of Satire in Latin literature, with assignments from Horace; (d) study of Satire in English; (e) study of epigram as a literary expression.

Latin 203. Latin Literature of the Early Empire. (3 hours.)

Prerequisites: Latin 104, or the equivalent.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

Latin 311. Survey of Latin Literature. (3 hours.) Not offered 1932-33.

Prerequisite: This course is given entirely in English, but unless the student has considerable literary background, not only of Latin, but also of English, he would not be able to enter this course. Open only to senior college students.

Purpose: To furnish a literary and historical survey of Latin literature from its earliest periods to the late Latin of middle ages.

Topics: (a) Mackail's Latin Literature; (b) selected readings from Cunliffe and Showerman, Howe and Harrer, Laing and others; (c) students who have proficient reading ability will be expected to do assigned reading in original.

Latin 361. The Teaching of Latin. (3 hours.)

Prerequisites: Four units of high school Latin and six semester hours of college Latin.

Purpose: To prepare Latin majors for teaching subject.

Topics: (a) Study of classical survey; (b) examination of newest available text books in first year Latin; (c) use of modern methods in poster and note book material; (d) examination of Classical Journal, Classical Weekly, Latin notes, etc.

Non-Translation Foreign Language Courses

Miss Pollitt

Mrs. Murbach

Foreign Language 212. Legacy of Greece. (2 hours.)

Purpose: To acquaint the average student with the more important contributions made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) note books; (d) reports and term papers.

Foreign Language 213. Legacy of Rome. (2 hours.)

Purpose: This course is similar in purpose and design to Foreign Language 212, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

Foreign Language 214. General Linguistics. (3 hours.)

Prerequisites: Two units of high school Latin.

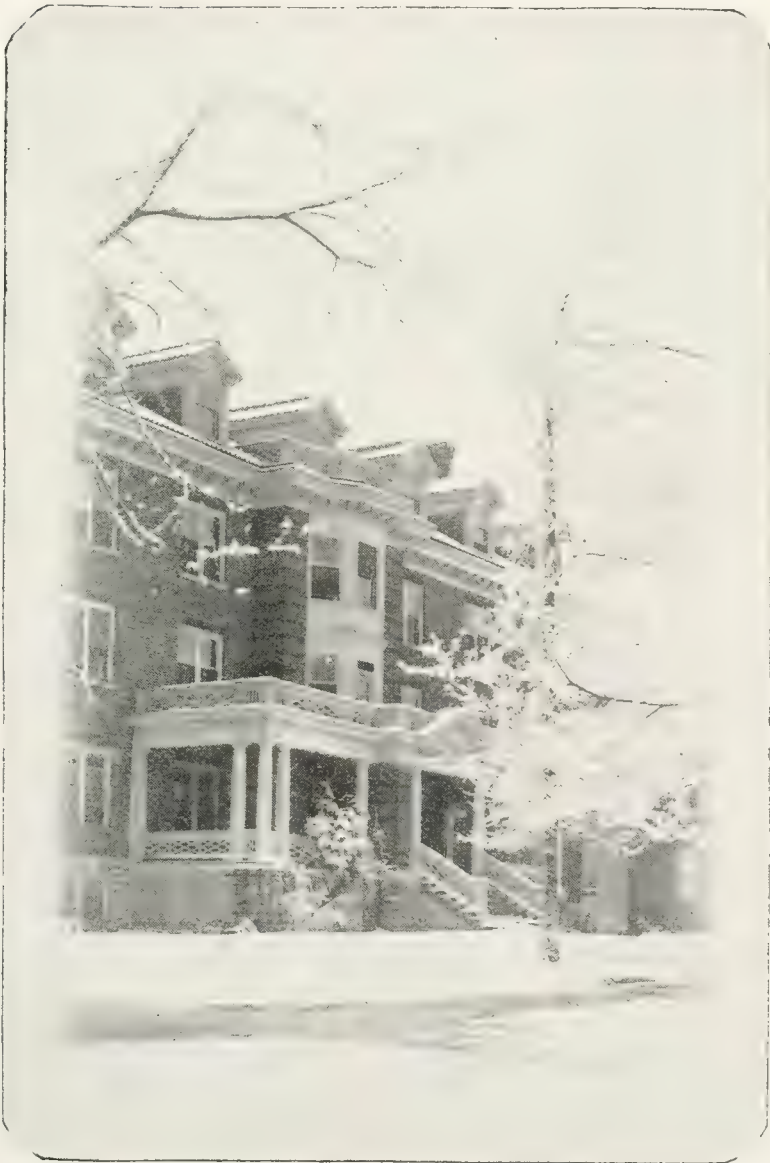
Purpose: To trace the development of human speech from primitive man to the present variations of language, particularly the Indo-European families.

Topics: (a) Anthropology; (b) the psychological nature of linguistic experience; (c) the acquisition and use of a vocabulary; (d) etymological development of the English language.

Foreign Language 253. French Civilization. (2 hours.)

Purposes: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved.

Topics: The course consists of lectures and assigned readings. A survey of French history, politics, art and literature will be given.



Sullivan Hall, Women's Dormitory.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Caldwell

Mr. Engle

Mathematics 107. College Algebra. (3 hours.)

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 108. (Formerly Mathematics 207.) College Algebra. (2 hours.)

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of complex numbers, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. (3 hours.)

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 131. Solid Geometry. (3 hours.)

Purpose: To give the student a knowledge of the fundamentals and applications of solid geometry.

Topics: This course deals with the fundamental propositions, problems, and exercises of solid geometry. Special attention is given to practical applications.

Mathematics 160. Teachers' Arithmetic. (3 hours.)

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 214. Trigonometry. (2 hours.)

Prerequisites: 107 and 113.

Purpose: This course is intended to give the student thorough instruction in the advanced topics of plane trigonometry and in the principles of spherical trigonometry.

Topics: This course includes a study of graphs and functions, identities and equations, applications to algebra, and the principles of spherical trigonometry. Special attention is given to practical applications.

Mathematics 221. General Astronomy. (3 hours.)

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 232. Analytic Geometry. (5 hours.)

Prerequisites: Mathematics 107 and 113.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to the straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 241. Statistics and Graphs. (2 hours.)

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, co-efficients of correlation, theory of probability, and graphic methods.

Mathematics 251. (Formerly Mathematics 351.) Differential Calculus. (5 hours.)

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical application of differential calculus.

Topics: Theory of limits, differentiation, simple applications of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 307. Theory of Equations. (3 hours.)

Prerequisites: 108 and 113.

Purpose: To acquaint the student with theory of algebraic equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 352. Integral Calculus. (3 hours.)

Prerequisite: Mathematics 251.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Contents: This course includes a study of integrations, definite integral, integration of rational fractions, reduction formulas and successive integration.

Mathematics 353. Differential Equations. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 354. Advanced Calculus. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To fulfill the need of a more extensive course than that given in elementary calculus.

Topics: This course covers indeterminate forms, power series, partial differentiation, implicit functions and applications to geometry.

Mathematics 355. Advanced Calculus. (3 hours.)

Prerequisite: Mathematics 354.

Purpose: To continue study begun in Mathematics 354.

Topics: This course covers the definite integral, the gamma and beta functions, line, surface and space integrals, Bessel functions and partial differential equations.

Mathematics 367. (Formerly Mathematics 267.) Teaching of High School Mathematics. (3 hours.)

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purpose: (a) To give instruction in the aims and importance of high school mathematics. (b) To give the student a knowledge of the development of mathematics and its place in the secondary school. (c) To give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

DIVISION OF SOCIAL SCIENCES

Mr. Keith
Mr. Adams
Mr. Burns

Mr. Dorris
Miss Floyd
Mr. Kennamer

Miss McKinney
Mr. Moore
Miss Pollitt

Economics

Mr. Moore

Economics 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture; commerce; transportation; industry; labor legislation; socialism; social insurance; population and population trends; and finance of the principal European nations is studied.

Economics 125. Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory.

Topics: Industry; the science of economics; wealth; capital; income; specialization; exchange; agents of production; risk; price levels; business cycles; international trade; and value.

Economics 210. American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Commerce; industry; transportation; banking; labor problems; business organization; monetary problems; and agriculture.

Economics 222. Practical Economic Problems. (3 hours.)

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Money and banking; labor problems; the trusts; railroads; monopolies; taxation; social insurance.

Economics 224. Money and Banking. (3 hours.)

Prerequisite: Commerce 122.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Economics 330. Public Finance. (3 hours.)

Prerequisite: Economics 125.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, economic effects; the forms of public revenue—the public domain, the industrial domain, administrative revenues, taxation; public credit, its nature and uses, its forms; financial administration and legislation. Under the heading of taxation are discussed such topics as the following: the meaning and development of taxation; some requisites of a sound tax system, the distribution of the tax burden; means of escape from taxation; the general property tax; modified property taxes; taxes on corporations; consumption and other excise taxes; taxes on incomes; estate and inheritance taxes.

Geography

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours.) Fee, \$1.00.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams, and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the contingents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 121. (Formerly Geography 221.) Economic Geography of the Industries. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To acquaint the student with the major industries of the world, and the principal factors influencing domestic and international trade; (b) to give the student a background for study in international relations and world problems.

Topics: The nature of economic geography; the place and nature of agriculture; the cereals; the starch foods; the forage crops; vegetable crops; fruit crops and wine industries; sugar; vegetable oils; condiments and tobacco; vegetable fibers; non-food vegetables; fisheries; the animal foodstuffs; animal fibers, furs and skins; the

fundamentals of manufacture, fuel and power; the forest industries and paper; the iron and steel industries; the mineral industries; textiles; leather and rubber; inland transportation, North America; international trade and transportation; trade centers and world trade routes.

Geography 201. Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present-day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Geography 202. Climatology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 205. Economic and Historical Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits, evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 261. (Formerly Geography 361.) Materials and Problems in the Teaching of Geography. (2 hours.)

Prerequisite: Six hours of geography.

Purpose: To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials available for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 271. Geography of North America. (3 hours.)

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 272. Geography of Europe. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 273. Geography of Latin America. (3 hours.)

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; Historical geography of discovery, settlement and development; Caribbean resources;

the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and physiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 274. Geography of Asia. (3 hours.)

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the Exploration and Exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—The Threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 348. Historical Geography. (3 hours.)

Prerequisites: Six hours of History and six hours of Geography.

Purpose: To show the underlying geographic factors in ancient and modern civilization.

Topics: (1) Geographic influences in ancient Egyptian, Mesopotamian, Greek, and Roman civilizations, (2) the geography of Europe in the development of the nations of medieval and modern Europe, (3) the geographic background of the culture of the Aztecs, Incas, and North American Indians, (4) the historical geography of the United States, the expansion of the American people, American expansion in the Pacific, the Gulf and Caribbean regions, immigration, growth of cities, geography and the future of the United States.

Geography 371. Geography of World Problems. (3 hours.)

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 374. Geography and Geology of Kentucky (2 hours.)
Fee, \$1.00.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b)

the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 377. Conservation of Natural Resources. (3 hours.)

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminium, silver, uranium and radium; the human resources; agricultural losses.

Government

Mr. Keith

Mr. Dorris

Government 111. American Government and Citizenship. (3 hours.)

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, State and National Government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organization of government and its just function.

Government 311. Problems of American Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To teach governmental organization; to give the student some idea of the evils consequent to government, with ideals of correct organizations.

Topics: Problems connected with municipal, state and national government; newer devices in organization and operation of government; problems of exercising the privilege of franchise; problems of various franchises in municipalities and contracts of state and nation; problems of the incidence, levy and collection of taxes.

Government 351. Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of the nations.

Topics: The rise of governmental institutions of England and her influence among the nations; kingship; parliament; cabinet; ministry; privy council; the Swiss system of government and her democracy.

Government 352. Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with political systems and political writings concerning France, Italy, Germany, and Russia, and possibly with some of the newer governments.

Topics: The government of France, Italy, Russia, and Germany.

History

Mr. Keith

Mr. Burns

Miss Floyd

Mr. Adams

Mr. Dorris

Miss Pollitt

History 102. American History. (3 hours.)

Purpose: This is a survey course in American History, designed to familiarize the student with the general content from the discovery to the adoption of the Constitution. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation; and the beginning of the slavery contest.

History 103. American History. (3 hours.)

Purpose: This is a survey course designed to acquaint the student with the general content of American History from the adoption of the Constitution to the end of the Civil War. Some effort is made to acquaint the student with methods of studying and presenting the subject matter and the literature of American History.

Topics: The slavery contest to the climax of the Civil War; the tariff question; mechanical invention; foreign wars; banking and industry.

History 141. History of Medieval Europe. (3 hours.)

Purpose: To familiarize the student with the general content of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period.

Topics: The migration of the tribes; the rise of nationalities; medieval church; the Crusades; the feudal system of the countries; the Hundred Years' War.

History 241. (Formerly 142.) Modern History. (2 hours.)

Purpose: This course continues the survey of European History. The general content of history and literature of the period is studied.

Topics: The Reformation and the religious wars; international rivalries and dynastic wars for aggrandizement; the rise of other nations; social, economic and industrial history; beginnings of liberalism; the development of political, educational, and economic institutions.

History 242. English History. (3 hours.)

Purpose: To give the student a general view of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon; advance toward nationality; the Norman invasion; English feudalism; the Hundred Years' War; legal and political development; the Wars of the Roses and the fall of Feudalism; the Tudor monarchy.

History 244. Legacy of Greece. (2 hours.) (Same as Foreign Language 212.)

Purpose: To acquaint the average student with the more important contribution made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) notebooks; (d) reports and term papers.

History 245. Legacy of Rome. (2 hours.) (Same as Foreign Language 213.)

Purpose: This course is similar in purpose and design to Foreign Language 212, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

History 301. American History. (2 hours.)

Prerequisite: History 102 or 103.

Purpose: This course is designed to be sequential to History 103, and it attempts to bring the study of America and its sources up to the present.

Topics: Reconstruction after the Civil War; organized big business; commerce; expansion; imperialism; tariff; foreign relations; current politics.

History 305. History of the American West, 1763 to 1890. (3 hours.)

Prerequisite: History 102 or 103.

Purpose: The purpose of this course is to show the relations of the development of the West to American History.

Topics: Advancement of the American frontier; Indiana Wars; irrigation; political relations of the West to the nation; development of democracy, education; territorial acquisitions.

History 306. History of the American South. (3 hours.)

Prerequisite: History 102 or 103.

Purpose: The purpose of this course is to acquaint the student with the historical literature and the history of the South in its relations to the Union.

Topics: Settlement; peoples; religion; education; government; social and economic conditions; relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 341. English History, 1603 to 1714. (2 hours.)

Prerequisite: History 242.

Purpose: This course is centered about the Puritan and the English revolutions, and is intended to give the English background of American History, together with some attention to the historical literature.

Topics: Divine Right of James I and Charles I; religious and financial struggles of the time; parliamentary resistance to the first two Stuarts; the "Roundhead" Rebellion; Charles II and James II and the English Revolution.

History 342. English History 1714 to the Present. (3 hours.)

Prerequisite: History 242 and 341.

Purpose: This course is sequential to History 341 and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty; the struggle for empire; development of British Imperialism; parliamentary reforms of the nineteenth century; influence of political parties; England's place in the "Parliament of Men."

History 344. European History from 1715 to 1815. (2 hours.)

Prerequisite: History 141 or 241.

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The Industrial Revolution among the nations; wars partly consequent upon that revolution; rising imperialism among the nations; the French Revolution; reconstruction of the continent of Europe.

History 345. European History from 1815 to the Present. (3 hours.)

Prerequisite: History 141 or 241.

Purpose: The purpose of this course is an intensive study of this period of European History and its literature.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of Socialism—Karl Marx; wars of the century; the merging of the Germanic body into the German Empire; the rise of modern Italy; the struggle for naval, industrial and economic mastery and the deluge of the World War; the aftermath of the war.

History 346. Latin-American History. (2 hours.)

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: Studies of the history and government of the main countries involved.

History 361. Kentucky History. (2 hours.)

Purpose: To make a general study of Kentucky history; to attempt to show the student the wealth of material for the study of the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky's progress; occasional excursions to places of historic interest will probably be taken.

Sociology

Mr. Burns

Mr. Dorris

Sociology 201. American Immigration. (2 hours.)

Purpose: To give a survey of the entire field of foreign immigration into America, together with their living conditions here after arrival.

Topics: Regions and nations from which the immigrants come; assimilation; housing conditions; economic relations; crime; pauperism; selection.

Sociology 231. Introduction to Sociology. (3 hours.)

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other sciences; relation of living conditions to life; the problem of finding and using leaders; social achievement; man's relation to his institutions and his responsibility for them; the family, religion and morals.

EXPERIMENTAL CURRICULA

The teachers college has a dual function. Its curriculum must provide for the development of both scholarship and professional training. Both of these objectives are to be kept constantly before the faculty and students. The curriculum of the teachers college is somewhat akin to that of the liberal arts college in that it should provide for a rich culture. It is similar to the curriculum of the vocational school since professional skills are to be developed. These purposes are not antagonistic but they are concomitant.

We have assumed in planning these curricula that specific preparation should be made for each of the teaching fields. An effort has been made to avoid a too narrow specialization. It is believed that a much better product will result from this arrangement than can be secured from curricula based on group requirements, or from the free elective system.

It is hoped that these experimental curricula will supplement our program in student guidance. A student should be able to consult this bulletin and plan his teaching career more intelligently than he would under a system that would permit him to offer four years of indiscriminate credit for a degree without very definite preparation for any teaching position.

These curricula are in no sense final. They are what the title signifies—experimental. They are to be tested over a period of years for the purpose of refining them. It is recognized that they possess many shortcomings as they stand, but they do represent a beginning. They will be altered and amended as experience furnishes evidence of needed changes.

The following guiding principles have controlled our thinking in their preparation:

- (1) Each curriculum includes courses to give adequate instruction in and preparation for a specific teaching position.
- (2) Each curriculum includes a common group of professional courses.
- (3) Each curriculum includes a group of informational and cultural courses representing the fields of English, Mathematics, Science, and Social Science.
- (4) Each curriculum makes ample provision for individual choices of students so that their work may be planned to suit their own interests and preferences.
- (5) Each curriculum includes a common group of physical education courses designed to promote the health and recreational needs of students.

HOW TO USE

These curricula are planned and outlined for the purpose of guiding you in planning your college course and in making preparation for your teaching career. Each curriculum is planned to give specific preparation for a given type of teaching. The following suggestions are offered to guide you in selecting the curriculum which will best meet your requirements:

(1) A student who expects to remain in college only one academic year and who plans to secure the College Elementary Certificate upon the completion of a minimum of thirty-two semester hours of college credit should enroll for the courses outlined in the first year of one of the following curricula:

- (a) Curriculum for a Major in Early Elementary Education.
- (b) Curriculum for a Major in Intermediate Education.
- (c) Curriculum for a Major in Rural Education.

The work outlined in the first year of these curricula fulfill the requirements for the College Elementary Certificate.

(2) A student who expects to remain in school only two years and who plans to secure the Standard Certificate upon the completion of a minimum of sixty-four semester hours of college credit should take the courses outlined in the first two years of one of the above named curricula. The courses outlined in the first two years of each of these curricula fulfill the requirements for the Standard Certificate.

(3) A student who expects to complete the requirements for a professional degree and the College Certificate and who plans to make thorough preparation for a specific teaching job should select the curriculum of his or her choice. The selection of a curriculum should be determined by the Major subject; that is, if a student expects to major in mathematics, the curriculum elected should be the "Curriculum for a Major in Mathematics."

(4) A student who expects to complete the four-year college course and who does not plan to enter the teaching profession should elect the curriculum which most nearly meets his or her requirements. A non-professional curriculum is outlined for those who do not wish to pursue work in the field of education. This curriculum is planned to fulfill the requirements for the non-professional B. A. or B. S. degree in arts or sciences. The student may elect to major and minor in any of the academic departments of the College.

REQUIREMENTS FOR DEGREES AND COLLEGE CERTIFICATE

The Bachelor's degree is issued upon the minimum of one hundred and twenty-eight semester hours plus the credit earned in recreation. A maximum of thirty-two hours of the work required for a degree may be earned by extension and correspondence. A candidate

for a degree must have been in residence in this institution a minimum of thirty-six weeks, at least eighteen of which must have been in the senior year, and must have earned a minimum of thirty-two hours while in residence.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE PROFESSIONAL DEGREE AND COLLEGE CERTIFICATE

Education	18 hours
English	12 hours
History, Government, Sociology	12 hours
Science	12 hours
Mathematics	7 hours

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. Adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all high school teachers must teach two or more subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

Major	Suggested Minors
Agriculture	Chemistry, Physics, Physical Education
Art	Music, Elementary Education, Intermediate Education, English
Biology	Chemistry, Physics, Mathematics
Chemistry	Physics, Mathematics, Biology
Commerce (General Course)	History, Geography, Mathematics
Commerce (For Students Preparing to be Teachers of Economics, Accounting, Business, etc.)	History, Geography, Mathematics
Education:	
(a) Early Elementary	Music, Art, Geography, English, History
(b) Intermediate	Music, Art, Geography, English, History
(c) Rural	Geography, History, Art, Music
English (Literature)	French, Latin, History, Geography
English (Speech)	German, Latin, History, Geography
French	English, History, Latin, Geography
Geography and Geology	History, Science, Commerce, Agriculture
History	English, Economics, Latin, French
Home Economics	Biology, Health, Chemistry

Major	Suggested Minors
Industrial Arts	Mathematics, Physical Education, Physics, Chemistry
Latin	English, History, French, Geography
Mathematics	Physics, Chemistry, Physical Education
Music	Art, English, History, Elementary Education
Physical Education (Men)	Mathematics, Chemistry, Biology
Physical Education (Women)	Mathematics, Chemistry, Biology
Physics	Chemistry, Mathematics, Biology

**MAJOR AND MINOR REQUIREMENTS
PRESCRIBED BY THE NORMAL EXECUTIVE COUNCIL**

Major: Minimum 24 semester hours.

First Minor: Minimum 18 semester hours.

Second Minor: Minimum 12 semester hours.

APPLICATION FOR DEGREE

All students taking degrees from Eastern Kentucky State Teachers College must make official application at least thirty days before commencement day. This application is made by going to the Business Office, paying the regular fee and presenting receipt for this fee at the Registrar's Office and filling out the official application.

REQUIREMENTS FOR STANDARD CERTIFICATE

Students working for the Standard Certificate should take the work outlined in one of the following curricula: "Curriculum for a Major in Early Elementary Education," "Curriculum for a Major in Intermediate Education," "Curriculum for a Major in Rural Education." The minimum departmental requirements set up by the Normal Executive Council to become effective September 1, 1932 (except for those who have satisfied corresponding departmental requirements in effect prior to September 1, 1932) are as follows:

Art 161, Public School Art	2 hrs.
Education	12 hrs.
Ed. 111, Educational Psychology	3 hrs.
Ed. 160, Classroom Management	3 hrs.
Ed. 162, Teaching the Common School Branches	3 hrs.
Ed. 265 or 266, Student Teaching.....	3 hrs.
English	12 hrs.
Eng. 101 and 102, Oral and Written Composition	6 hrs.
Eng. 211, 212, or 213, English or American Literature	3 hrs.
Eng. 261 or 266, Children's Literature.....	3 hrs.
Geography 101, Principles of Geography.....	3 hrs.

Health 100, Personal Hygiene, or 101, Sanitary Science.....	2 hrs.
History	6 hrs.
Hist. 102 or 103, American History	3 hrs.
Govt. 111, American Government and Citizen- ship	3 hrs.
Mathematics 160, Teachers' Arithmetic	3 hrs.
Music 160, Public School Music	2 hrs.
Science (Biology, Chemistry, or Physics)	6 hrs.
Elective	16 hrs.

REQUIREMENTS FOR COLLEGE ELEMENTARY CERTIFICATE

This issuance of the College Elementary Certificate, based upon thirty-two semester hours of prescribed and elective work earned in residence requires the following courses:

Freshman English (English 101 and 102).....	6 semester hours
Classroom Management (Education 160).....	3 semester hours
Teaching the Common School Branches (Education 162)	3 semester hours
Teachers' Arithmetic (Mathematics 160).....	3 semester hours
American History (History 102 or 103).....	3 semester hours
Principles of Geography (Geography 101)....	3 semester hours
Public School Art (Art 161) or Public School Music (Music 160)	2 semester hours
Health, or Agriculture, or Science.....	2 to 5 semester hours
Elective	4 to 7 semester hours

Applications for this certificate should be made to the Director of Certification, State Department of Education, Frankfort, Kentucky.



Weaver Health Building.

CURRICULUM FOR A MAJOR IN AGRICULTURE**FIRST YEAR****First Semester**

Agriculture 126—Farm Poultry	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Agriculture 131—General Horticulture	3 hrs.
Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

SECOND YEAR**First Semester**

Agriculture 215—Soils	3 hrs.
Agriculture 224—Dairy Cattle Management	2 hrs.
Biology 121—General Biology	4 hrs.
English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Elective	1 hr.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Agriculture 111—Farm Crops.....	}	3 or 4 hrs.
or 223—Market Milk.....		
English 213—American Literature		3 hrs.
Government 111—American Government and Citizenship.....		3 hrs.
Practicums		1 hr.
Elective		6 or 5 hrs.
Recreational Activities		½ hr.
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		16½ hrs.

THIRD YEAR

First Semester

Agriculture (Elective)	3 hrs.
Education (Elective)	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.

 16 hrs.

Second Semester

Agriculture 221—Feeds and Feeding	3 hrs.
Education (Elective)	3 hrs.
Mathematics (Elective)	2 or 3 hrs.
Practicums	1 hr.
Elective	7 or 6 hrs.

 16 hrs.

FOURTH YEAR

First Semester

Agriculture 345—Farm Management and Farm Accounts.....	3 hrs.
Biology 333—Plant Diseases or 243—Economic Entomology	} 3 or 4 hrs.
Education 264—Methods of Teaching in the Secondary School	
Practicums	1 hr.
Elective	5 or 4 hrs.

 16 hrs.

Second Semester

Agriculture (Elective)	3 hrs.
Agriculture 243—Rural Sociology	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	5 hrs.

 16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Physical Education.

CURRICULUM FOR A MAJOR IN ART**FIRST YEAR****First Semester**

Art 115—Elementary Drawing and Design	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Art 116—Elementary Drawing and Design	3 hrs.
Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Art 190—Appreciation of Art	3 hrs.
Art 215—Color Theory	1 hr.
Art 222—Interior Decoration	2 hrs.
Art 225—Lettering	1 hr.
English 211 or 212—English Literature	3 hrs.
Science (Elective)	3 to 5 hrs.
Elective	3 to 1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Art 216—Poster Design	2 hrs.
Art 255—Costume Design	2 hrs.
Art 261—Art Education in the Elementary School	2 hrs.
English 213—American Literature	3 hrs.
History 141—History of Medieval Europe	3 hrs.
Elective	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Art 314—Perspective Drawing	1 hr.
Art 315—Drawing, Painting and Composition	3 hrs.
Education 213—Child Psychology	3 hrs.
History 241—Modern History	2 hrs.
Elective	7 hrs.
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16 hrs.	

Second Semester

Art 290—History of Art	3 hrs.
Art 372—Applied Design	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
Elective	7 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Art 316—Drawing and Modeling	2 hrs.
Education 261—Fundamentals in Early Elementary Education or	} 3 hrs.
Education 263—Fundamentals in Intermediate Education	
Elective	11 hrs.
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16 hrs.	

Second Semester

Art 375—Commercial Art and Illustration	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hr.
History	1 hr.
Mathematics	7 hrs.
Science	5 to 3 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Elementary Education, Intermediate Education, English.

CURRICULUM FOR MAJOR IN BIOLOGY

FIRST YEAR

First Semester

Biology 121—General Biology	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics (Elective)	2 to 3 hrs.
Elective	3 to 2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Biology 231—General Botany	4 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
English 211 or 212—English Literature	3 hrs.
Industrial Arts 299—Lettering	1 hr.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hrs.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Biology 241—Invertebrate Zoology	4 hrs.
Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Mathematics (Elective)	2 or 3 hrs.
Elective	4 or 3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

THIRD YEAR

First Semester

Biology 242—Comparative Anatomy	4 hrs.
Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Elective	6 hrs.
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	16 hrs.

Second Semester

Biology 235—Local Flora	2 hrs.
History (Elective)	3 hrs.
Elective	11 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Biology 333—Plant Diseases	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	9 hrs.
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	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education 363—Student Teaching	5 hrs.
Ele tive	7 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Mathematics.

CURRICULUM FOR A MAJOR IN CHEMISTRY**FIRST YEAR****First Semester**

Chemistry 111—General Chemistry	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Chemistry 213—Qualitative Analysis	}	4 or 5 hrs.
or 215—Organic Chemistry		
Education (Elective)		3 hrs.
English 211 or 212—English Literature		3 hrs.
Mathematics 113—Trigonometry		3 hrs.
Elective		3 or 2 hrs.
Recreational Activities		$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.		

Second Semester

Chemistry 215—Organic Chemistry	}	5 or 4 hrs.
or 213—Qualitative Analysis		
English 213—American Literature		3 hrs.
Mathematics (Elective)		2 hrs.
Government 111—American Government and Citizenship		3 hrs.
Elective		3 or 4 hrs.
Recreational Activities		$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.		

THIRD YEAR**First Semester**

Chem'istry (Elective)	4 hrs.
History (Elective)	3 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Chem'istry (Elective)	4 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Chemistry 315—Physical Chemistry	5 hrs.
Education (Elective)	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
History (Elective)	3 hrs.
Elective	8 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN COMMERCE

(General Course)

FIRST YEAR**First Semester**

Commerce 101—An Introduction to Business and Industry	2 hrs.
Commerce 121—Business Arithmetic	2 hrs.
Commerce 151—Beginning Typewriting	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 and 103—American History	3 hrs.
Recreational Activities	½ hr.

16½ hrs.**Second Semester**

Commerce 152—Advanced Typewriting	3 hrs.
Commerce (Elective)	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.

16½ hrs.**SECOND YEAR****First Semester**

Commerce 215—Beginning Shorthand	5 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.**Second Semester**

Commerce 216—Advanced Shorthand	3 hrs.
Commerce 122—Principles of Accountancy	4 hrs.
Commerce (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Commerce (Elective)	5 hrs.
Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	3 hrs.

 16 hrs.
Second Semester

Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	8 hrs.

 16 hrs.
FOURTH YEAR**First Semester**

Commerce (Elective)	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Elective	6 hrs.

 16 hrs.
Second Semester

Commerce (Elective)	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.

 16 hrs.
RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirement as follows:

Science 12 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN COMMERCE

(For Students Preparing to be Teachers of Economics, Accounting, Business, Etc.)

FIRST YEAR**First Semester**

Commerce 101—An Introduction to Business and Industry	2 hrs.
Commerce 121—Business Arithmetic	2 hrs.
Commerce (Elective)	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Recreational Activities	½ hr.

 16½ hrs.
Second Semester

Commerce (Elective)	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.

 16½ hrs.
SECOND YEAR**First Semester**

Commerce 122—Principles of Accountancy	4 hrs.
Commerce 125—Principles of Economics	3 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.

 16½ hrs.
Second Semester

Commerce 220—Principles of Accountancy	2 hrs.
Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Elective	5 hrs.
Recreational Activities	½ hr.

 16½ hrs.

THIRD YEAR**First Semester**

Commerce 221—Principles of Accountancy	3 hrs.
Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

Second Semester

Commerce 222—Practical Economic Problems	3 hrs.
Commerce 224—Money and Banking.....	3 hrs.
Commerce (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Commerce (Elective)	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Commerce (Elective)	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.
	<hr/>
	16 hrs.

RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirement as follows:

Science 12 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN EARLY ELEMENTARY EDUCATION

The work outlined in the first year satisfies the requirements for the College Elementary Certificate.

The work outlined in the first two years satisfies the requirements for the Standard Certificate.

FIRST YEAR

First Semester

Art 161—Public School Art	2 hrs.
Education 160—Classroom Management	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
Handwriting	0 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 160—Teachers' Arithmetic	3 hrs.
Music 160—Public School Music	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Education 162—Teaching the Common School Branches	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Health 101—Sanitary Science	3 hrs.
History 103 or 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Art 225—Lettering	1 hr.
Biology 161—Nature Study	3 hrs.
Education 111—Educational Psychology	3 hrs.
Education 261—Fundamentals in Early Elementary Education	3 hrs.
English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Education 265—Supervised Student Teaching in the Early Elementary Grades	3 hrs.
English 261—Literature for the Primary Grades	3 hrs.
Geography 271—Geography of North America	3 hrs.
Biology 121—General Biology	4 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

THIRD YEAR

First Semester

Art 315—Drawing, Painting and Composition	3 hrs.
Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
History (Elective)	3 hrs.
Home Economics 213—Care and Selection of the Wardrobe..	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 264—Reading in the Elementary School	3 hrs.
English 212—English Literature	3 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Art 290—History of Art	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
Mathematics (Elective)	4 hrs.
Science (Elective)	3 hrs.
Elective	3 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 321—Tests and Measurements	3 hrs.
Education 363—Student Teaching	2 hrs.
English (Elective)	3 hrs.
Geography 371—Geography of World Problems	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

CURRICULUM FOR A MAJOR IN INTERMEDIATE EDUCATION

The work outlined in the first year satisfies the requirements for the College Elementary Certificate.

The work outlined in the first two years satisfies the requirements for the Standard Certificate.

First Semester	FIRST YEAR	
Agriculture 100—General Agriculture	2 hrs.	
Art 161—Public School Art		
or Music 160—Public School Music	2 hrs.	
Education 160—Classroom Management	3 hrs.	
English 101—Oral and Written Composition	3 hrs.	
Handwriting	0 hrs.	
History 102 or 103—American History	3 hrs.	
Mathematics 160—Teachers' Arithmetic	3 hrs.	
Recreational Activities	1½ hr.	

16½ hrs.

Second Semester	
Education 162—Teaching the Common School Branches.....	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Health 101—Sanitary Science	3 hrs.
Music 160—Public School Music	
or Art 161—Public School Art	2 hrs.
Elective	2 hrs.
Recreational Activities	1½ hr.

16½ hrs.

First Semester	SECOND YEAR	
Art 225—Lettering	1 hr.	
Biology 161—Nature Study	3 hrs.	
Education 111—Educational Psychology	3 hrs.	
Education 263—Fundamentals in Intermediate Education.....	3 hrs.	
English 213—American Literature	3 hrs.	
Government 111—American Government and Citizenship.....	3 hrs.	
Recreational Activities	1½ hr.	

16½ hrs.

Second Semester	
Education 266—Supervised Student Teaching in the Inter- mediate Grades and High School	3 hrs.
English 266—Literature for Intermediate Grades	3 hrs.
Geography 271—Geography of North America	3 hrs.
History 141—History of Medieval Europe	3 hrs.
Biology 121—General Biology	4 hrs.
Recreational Activities	1½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Science (Elective)	3 hrs.
Elective	4 hrs.

 16 hrs.
Second Semester

Education 321—Educational Measurement	3 hrs.
English 212—English Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	1 hr.

 16 hrs.
FOURTH YEAR**First Semester**

Art 290—History of Art	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
English (Elective)	3 hrs.
Geography 273—Geography of Latin America	3 hrs.
History 241—Modern History	2 hrs.
Elective	2 hrs.

 16 hrs.
Second Semester

*Education (Elective)	3 hrs.
Education 363—Student Teaching	2 hrs.
English 217—Contemporary Literature	3 hrs.
History 361—Kentucky History	2 hrs.
Mathematics 221—General Astronomy	3 hrs.
Elective	3 hrs.

 16 hrs.
MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

*Course elected must be approved by curriculum adviser at time of registration.

CURRICULUM FOR A MAJOR IN RURAL EDUCATION

The courses outlined in the first year fulfill the requirements for the 32 hour College Elementary Certificate. The courses outlined in the first two years of this curriculum fulfill the requirements for the Standard Certificate.

First Semester		FIRST YEAR	
Agriculture 100—General Agriculture	2 hrs.		
Art 161—Public School Art	2 hrs.		
or Music 160—Public School Music			
Education 160—Classroom Management	3 hrs.		
English 101—Oral and Written Composition	3 hrs.		
*History 102 or 103—American History			
or Geography 101—Principles of Geography	3 hrs.		
Mathematics 160—Teachers Arithmetic	3 hrs.		
Recreational Activities	½ hr.		
		16½ hrs.	
Second Semester			
Education 162—Teaching the Common School Branches	3 hrs.		
English 102—Oral and Written Composition	3 hrs.		
*Geography 101—Principles of Geography			
or History 102 or 103—American History	3 hrs.		
Health 101—Sanitary Science	3 hrs.		
Music 160—Public School Music			
or Art 161—Public School Art	2 hrs.		
Elective	2 hrs.		
Recreational Activities	½ hr.		
		16½ hrs.	
First Semester		SECOND YEAR	
Art 225—Lettering	1 hr.		
Biology 161—Nature Study	3 hrs.		
Education 111—Educational Psychology	3 hrs.		
Education 262—Fundamentals in Rural Education	3 hrs.		
English 213—American Literature	3 hrs.		
Government 111—American Government and Citizenship	3 hrs.		
Recreational Activities	½ hr.		
		16½ hrs.	
Second Semester			
Education 265—Supervised Student Teaching in the Early Elementary Grades	3 hrs.		
or 266—Supervised Student Teaching in the Intermediate Grades and High School			
English 261—Literature for the Primary Grades	3 hrs.		
or 266—Literature for the Intermediate Grades			
Geography 271—Geography of North America	3 hrs.		
History (Elective)	3 hrs.		
Biology 121—General Biology	4 hrs.		
Recreational Activities	½ hr.		
		16½ hrs.	

*Geography 101 and History 102 or 103 required for College Elementary Certificate issued on 32 semester hours credit.

THIRD YEAR

First Semester

Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	4 hrs.
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16 hrs.	

Second Semester

Education 351—Rural School Supervision	3 hrs.
English 212—English Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
History (Elective)	2 hrs.
Mathematics (Elective)	2 hrs.
Elective	3 hrs.
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16 hrs.	

FOURTH YEAR

First Semester

Education 352—County School Administration	3 hrs.
English 217—Contemporary Literature	3 hrs.
Geography 202—Climatology	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
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16 hrs.	

Second Semester

Art 290—History of Art	3 hrs.
Education 363—Student Teaching	2 hrs.
**Education	3 hrs.
History 361—Kentucky History	2 hrs.
Science (Elective)	3 hrs.
Elective	3 hrs.
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16 hrs.	

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Geography, History, Art, Music.

** Course elected must be approved by curriculum adviser at time of registration.

CURRICULUM FOR A MAJOR IN ENGLISH

(Literature)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Latin (Elective)	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech	3 hrs.
History 141—History of Medieval Europe.....	3 hrs.
Latin (Elective)	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR

First Semester

English 211—English Literature	3 hrs
English (Not Literature)	2 or 3 hrs.
History 242—English History	3 hrs.
Latin (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	2 or 1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 212—English Literature	3 hrs.
English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Latin (Elective)	3 hrs.
Elective	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English 311—Shakespeare	3 hrs.
English 215—Nineteenth Century Prose or } 217—Contemporary Literature }	3 hrs.
French, German, or Latin	3 hrs.
Elective	4 hrs.
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16 hrs.	

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English 216—The Short Story or } 314—The Novel }	2 or 3 hrs.
English 301—Advanced Composition	3 hrs.
French, German, or Latin	3 hrs.
Elective	4 or 3 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
English 321—Romantic School of Poets or } 322—Victorian Poets }	3 hrs.
English (Prose)	3 hrs.
Elective	5 hrs.
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16 hrs.	

Second Semester

Education (Elective)	3 hrs.
English (Elective)	3 hrs.
Elective	10 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: French, Latin, History, Geography.

CURRICULUM FOR A MAJOR IN ENGLISH

(Speech)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
French (Elective)	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech	3 hrs.
French (Elective)	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR

First Semester

English 211—English Literature	3 hrs.
English 231—Public Speaking	3 hrs.
English 261—Literature for Primary Grades	2 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Education (Elective)	3 hrs.
English 212—English Literature } or 213—American Literature }	3 hrs.
English 205—Argumentation	3 hrs.
English 216—The Short Story	2 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English 262—Play Producing	2 hrs.
English 311—Shakespeare	3 hrs.
History 242—English History	3 hrs.
Physical Education 214—Natural Dancing	1 hr.
Elective	4 hrs.
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	16 hrs.

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English 263—Play Directing	2 hrs.
English 312—Contemporary Drama	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	6 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
English 264—Story Telling	3 hrs.
Elective	8 hrs.
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	16 hrs.

Second Semester

English 335—Interpretative Reading	3 hrs.
History (Elective)	3 hrs.
Elective	10 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: German, Latin, History Geography.

CURRICULUM FOR A MAJOR IN FRENCH**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
French 151—Elementary French	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
French 152—Elementary French	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
French 251—Intermediate French	3 hrs.
History (Elective)	3 hrs.
Elective	7 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
French 252—Intermediate French	3 hrs.
Foreign Language 253—French Civilization.....	2 hrs.
Government 111—American Government and Citizenship	3 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
French 254—French Prose Classics	3 hrs.
French, German, Latin (Elective)	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Education (Elective)	3 hrs.
French 255—French Prose Classics	3 hrs.
French, German, Latin (Elective)	3 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
French 355—French Drama	2 hrs.
French 365—Teacher Training Course	1 hr.
Elective	9 hrs.
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	16 hrs

Second Semester

Education 363—Student Teaching	5 hrs.
French 356—French Seminar	2 hrs.
French, German, Latin (Elective)	2 hrs.
Elective	7 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hr.
Science	8 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History, Latin, Geography.

CURRICULUM FOR A MAJOR IN GEOGRAPHY AND GEOLOGY

FIRST YEAR

First Semester

Biology 121—General Biology } or 161—Nature Study }	4 or 3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	2 or 3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Economics 124—Economic History of Europe or 125—Principles of Economics	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Government 111—American Government and Citizenship ...	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Geography 121—Economic Geography of Industries	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Geography 202—Climatology	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Geography (Elective)	6 hrs.
History (Elective)	3 hrs.
Elective	7 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Geography (Elective)	6 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or 264—Methods of Teaching in the Secondary School	}	3 or	4 hrs.
Geography 371—Geography of World Problems.....			3 hrs.
Geography (Elective)			3 hrs.
Elective		7 or	6 hrs.
		<hr/>	
			16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Geography (Elective)	4 hrs.
Elective	7 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hour
Science	1 or 2 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Science, Commerce, Agriculture.

CURRICULUM FOR A MAJOR IN HISTORY

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
History 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
History 103—American History	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
History 141—History of Medieval Europe } or 241—Modern History	3 or 2 hrs.
Elective	7 or 8 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Economics 124—Economic History of Europe	3 hrs.
English 213—American Literature	3 hrs.
Sociology 201—American Immigration } or 231—Introduction to Sociology.....	2 or 3 hrs.
Elective	8 or 7 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Geography 272—Geography of Europe	3 hrs.
*History (Elective)3 or	6 hrs.
Elective7 or	4 hrs.
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16 hrs.	

Second Semester

Education (Elective)	3 hrs.
English 217—Contemporary Literature	3 hrs.
*History (Elective)4 or	6 hrs.
Elective6 or	4 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Geography 371—Geography of World Problems	3 hrs.
*History (Elective)2 or	4 hrs.
Elective7 or	5 hrs.
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16 hrs.	

Second Semester

Education 363—Student Teaching	5 hrs.
*History (Elective)	3 hrs.
Elective	8 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Economics, Latin, French, Physical Education.

*Courses must be elected with advice and consent of head of department,

CURRICULUM FOR A MAJOR IN HOME ECONOMICS**FIRST YEAR****First Semester**

Art 115—Elementary Drawing and Design	3 hrs.
Biology 121—General Biology	4 hrs.
English 101—English Composition	3 hrs.
Home Economics 110—Text les	2 hrs.
Library Science 166—Library Methods	1 hr.
Physics 101—Everyday Physics	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Home Economics 103—Source, Selection, and Cost of Foods..	2 hrs.
Home Economics 111—Garment Making	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

SECOND YEAR**First Semester**

Chemistry 215—Organic Chemistry	5 hrs.
Education 111—Educational Psychology	3 hrs.
Health 101—San tary Science	3 hrs.
Home Economics 101—Nutrition and Food Preparation	3 hrs.
Home Economics 212—Dressmaking	2 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Economics 125—Principles of Economics	3 hrs.
Education 213—Child Psychology	3 hrs.
English 211 or 212—Engl sh Literature	3 hrs.
Home Economics 201—Meal Planning, Preparation, and Serv- ing	3 hrs.
Home Economics 224—Household Equipment	2 hrs.
Home Economics 231—Home Nursing	2 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

THIRD YEAR

First Semester

Chemistry 313—Bio-Chemistry	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Home Economics 202—Advanced Cookery	3 hrs.
Home Economics 222—Interior Decoration	2 hrs.
Home Economics 225—Family Relationships	2 hrs.

 16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education (Elective)	2 hrs.
English 213—American Literature	3 hrs.
Home Economics 316—Tailoring	2 hrs.
Home Economics 361—Materials and Methods for Teaching Vocational Home Economics	3 hrs.
Sociology 231—Introduction to Sociology	3 hrs.

 17 hrs.

FOURTH YEAR

First Semester

Art 372—Applied Design	3 hrs.
Education 305—Educational Sociology	2 hrs.
Home Economics 321—Home Management or Education 363—Student Teaching	5 hrs.
Home Economics 331—Child Care	3 hrs.
Elective	3 hrs.

 16 hrs.

Second Semester

Home Economics 301—Dietetics	3 hrs.
Home Economics 315—Costume Design	2 hrs.
Home Economics 321—Home Management or Education 266—Supervised Student Teaching in the Intermediate Grades and High School.....	5 hrs.
Elective	6 hrs.

 16 hrs.

MINORS:

A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Biology, Health, Chemistry.

CURRICULUM FOR A MAJOR IN INDUSTRIAL ARTS**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Industrial Arts 191—Elementary Mechanical Drawing.....	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Arts 161—Public School Art	2 hrs.
English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Industrial Arts 141—Elementary Cabinet Making.....	3 hrs.
Industrial Arts 244—Elementary Wood Turning	2 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 213—American Literature	3 hrs.
History (Elective)	3 hrs.
Industrial Arts 233—Industrial Arts Design	2 hrs.
Industrial Arts 242—Advanced Cabinet Making and Mill Work	2 hrs.
Elective	6 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Industrial Arts 281—Auto Mechanics	2 hrs.
Industrial Arts 292—Elementary Machine Drawing	2 hrs.
Elective	9 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Industrial Arts 294—Elementary Architectural Drawing	2 hrs.
Industrial Arts 361—History and Organization of Industrial Arts	2 hrs.
Elective	9 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Industrial Arts 364—Vocational Education	2 hrs.
Industrial Arts 366—Teaching and Supervision of Industrial Arts	2 hrs.
Elective	8 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Industrial Arts 301—Projects in Industrial Arts	1 or 2 hrs.
Industrial Arts (Elective)	3 or 2 hrs.
Elective	7 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education, Physics, Chemistry.

CURRICULUM FOR A MAJOR IN LATIN

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Latin 103—Selections from Horace	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Latin 104—Selections from Livy	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Latin 202—Satire and Epigram	
or Foreign Language 214—General Linguistics.....	3 hrs.
Elective	7 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Latin 201—Latin Prose of the Silver Age	
or 203—Latin Literature of the Early Empire	3 hrs.
Elective	10 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Foreign Language 214—General Linguistics or Latin 202—Satire and Epigram.....	3 hrs.
Latin 212—Legacy of Greece	2 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Latin 203—Latin Literature of the Early Empire or 201—Latin Prose of the Silver Age.....	3 hrs.
Latin 213—Legacy of Rome	2 hrs.
Elective	8 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Latin 361—The Teaching of Latin	3 hrs.
Elective	9 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Latin (Elective)	3 hrs.
Elective	8 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hr.
Science	8 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History, French, Geography.

CURRICULUM FOR A MAJOR IN MATHEMATICS**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Mathematics 108—College Algebra	2 hrs.
Elective	8 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

Second Semester

English 213—American Literature	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Mathematics 251—Differential Calculus	5 hrs.
Elective	8 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Mathematics 352—Integral Calculus	3 hrs.
Elective	10 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Mathematics 367—Teaching of High School Mathematics.....	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	3 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Mathematics (Elective)	3 or 6 hrs.
Elective	8 or 5 hrs.
	<hr/>
	16 hrs.

RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Science 2 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Chemistry, Physical Education.

CURRICULUM FOR A MAJOR IN MUSIC**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Music 150—Elements of Music	2 hrs.
Music 211a—Piano	2 hrs.
Music 238a—Stringed Instrument Class	1 hr.
Elective	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.
Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Music 211b—Piano	2 hrs.
Music 238b—Stringed Instrument Class	1 hr.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.
SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Music 151—Harmony I	2 hrs.
Music 152—Sight Singing and Ear Training I	1 hr.
Music 221a—Voice	2 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.
Second Semester

Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Music 153—Harmony II	2 hrs.
Music 154—Sight Singing and Ear Training II	1 hr.
Music 221b—Voice	2 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Music 251—Harmony III	2 hrs.
Music 252—Sight Singing and Ear Training III	1 hr.
Music 261—Grade Methods and Materials.....	2 hrs.
Elective	5 hrs.

 16 hrs.
Second Semester

Education 261—Fundamentals in Early Elementary Education or 263—Fundamentals in Intermediate Education	3 hrs.
Music 253—Harmony IV	2 hrs.
Music 254—Sight Singing and Ear Training IV.....	1 hr.
Music 262—Conducting	2 hrs.
Elective	8 hrs.

 16 hrs.
FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
Music (Piano, Voice, or Violin)	2 hrs.
Music 202—Music History I	2 hrs.
Music 248a—Wind Instrument Class	1 hr.
Elective	6 hrs.

 16 hrs.
Second Semester

Music (Piano, Voice, or Violin)	2 hrs.
Music 203—Music History II	2 hrs.
Music 361—Supervision	2 hrs.
Elective	10 hrs.

 16 hrs.
RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hour
Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Art, English, History, Elementary Education.

CURRICULUM FOR A MAJOR IN HEALTH AND PHYSICAL EDUCATION

(Men)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Physical Education 115—Rhythmical Activities	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Health 100—Personal Hygiene	2 hrs.
Elective	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Physical Education 250—Scouting and Clubcraft	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 202—First Aid to the Injured	1 hr.
Mathematics 108—College Algebra	2 hrs.
Physical Education 266—Materials and Methods for Teaching Physical Education	3 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy	4 hrs.
Education 214—Psychology of Adolescence	3 hrs.
Mathematics (Elective)	2 hrs.
Physical Education 267—Physical Training Activities	2 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education (Elective)	3 hrs.
Physical Education 261—Coaching Basketball (First nine weeks)	1 hr.
Physical Education 265—Coaching Track and Field (Last nine weeks)	1 hr.
Physical Education 268—Advanced Physical Training Activities	2 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or 264—Methods of Teaching in the Secondary School	} 3 or 4 hrs.
Health and Physical Education (Elective)	
History (Elective)	3 hrs.
Elective	4 or 3 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Health and Physical Education (Elective)	7 hrs.
History (Elective)	3 hrs.
Elective	1 hr.
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	16 hrs.

RESTRICTION ON ELECTIVES:

Education 1 hour

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN HEALTH AND PHYSICAL EDUCATION

(Women)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 100—Personal Hygiene	2 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Physical Education 115—Rhythmical Activities	1 hr.
Elective	1 hr.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship ...	3 hrs.
Health 101—Sanitary Science	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Physical Education 251—Clubcraft	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 231—Home Nursing	2 hrs.
Mathematics 108—College Algebra	2 hrs.
Physical Education 214—Natural Dancing	1 hr.
Physical Education 266—Materials and Methods for Teach- ing Physical Education	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy	4 hrs.
Education 214—Psychology of Adolescence	3 hrs.
Health 365—Materials and Methods for Teaching	
Health Education	3 hrs.
Mathematics (Elective)	2 hrs.
Physical Education 267—Physical Training Activities	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education 263—Fundamentals in Intermediate Education	} 3 or 4 hrs.
or 264—Methods of Teaching in the Secondary School	
Physical Education 268—Advanced Physical Training	
Activities	2 hrs.
Elective	7 or 6 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
History (Elective)	3 hrs.
Physical Education (Elective)	3 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Health and Physical Education (Elective)	5 hrs.
History (Elective)	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

Education 1 hour

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN PHYSICS**FIRST YEAR****First Semester**

Chemistry 111—General Chemistry	4 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Education 111—Educational Psychology	3 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

SECOND YEAR**First Semester**

Government 111—American Government and Citizenship	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 251—Differential Calculus	5 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
	16 $\frac{1}{2}$ hrs.

Second Semester

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics 352—Integral Calculus	3 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Physics 301—An Advanced Course in Mechanics	5 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

English 213—American Literature	3 hrs.
History (Elective)	3 hrs.
Physics 304—Advanced Electricity and Magnetism } or 302—Introduction to Physical Optics..... }	3 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Physics (Elective)	5 hrs.
Elective	7 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Physics (Elective)	3 hrs.
Elective	8 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN SCIENCE**FIRST YEAR****First Semester**

English 101—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Chemistry 111—General Chemistry	4 hrs.
History 102 or 103—American History	3 hrs.
Education 111—Educational Psychology	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
Biology 121—General Biology	4 hrs.
Library Science 166—Library Methods	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Physics 201—Mechanics and Heat	5 hrs.
Biology 231—General Botany	4 hrs.
Elective	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

English 213—American Literature	3 hrs.
Physics 202—Electricity, Magnetism, Sound, and Light.....	5 hrs.
Chemistry 215—Organic Chemistry	5 hrs.
Education 214—Adolescent Psychology	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy	4 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Physics (Elective)	2 hrs.
Elective	2 hrs.
<hr/>	
16 hrs.	

Second Semester

Mathematics 221—General Astronomy	3 hrs.
History (Elective)	3 hrs.
Biology, Chemistry, or Physics (Elective) .....3 to	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective3 to	1 hr.
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16 hrs.	

FOURTH YEAR**First Semester**

Education (Elective)	3 hrs.
Biology, Chemistry, or Physics (Elective)3 to	5 hrs.
History (Elective)	3 hrs.
Health 303—Advanced Sanitary Science	5 hrs.
Elective2 to	0 hrs.
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16 hrs.	

Second Semester

Education 363—Student Teaching	5 hrs.
Biology, Chemistry, or Physics (Elective)4 to	5 hrs.
Elective7 to	6 hrs.
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16 hrs.	

MINORS:

Use elective to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor.

LIBERAL ARTS CURRICULUM
(Without Certificat on Privilege)

This curriculum leads to the degree of Bachelor of Arts or Bachelor of Science and does not fulfill the requirements for teachers' certificates. The applicant for the non-professional degree of Bachelor of Arts or Bachelor of Science must take his major and minors in the fields of arts and sciences. Education courses cannot be elected in this curriculum.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL BACHELOR OF ARTS DEGREE

English	18 hours
History, Government, Sociology	18 hours
Science	12 hours
Mathematics (Not including teachers' arithmetic)....	7 hours
*Foreign Language	6 to 18 hours

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL BACHELOR OF SCIENCE DEGREE

Engl'sh	18 hours
History, Government, Sociology	12 hours
Science	60 hours
Mathematics (Not including teachers' arithmetic)....	12 hours
*Foreign Language	6 to 18 hours

*In meeting the Foreign Language requirement for this degree only credit in translation courses will be counted. The minimum amount of a Foreign Language which may be offered to meet this requirement shall be as follows:

Six semester hours provided three units of the same language are presented for college entrance.

Twelve semester hours provided two units of the same language are presented for college entrance.

Eighteen semester hours if less than two units of the same language are presented for college entrance.

In case a student offers for entrance more than three units of high school credit in a Foreign Language, the minimum amount of credit of college level which must be done in the same Foreign Language for meeting the requirements for the Bachelor of Arts degree and the Bachelor of Science degree shall be six semester hours.

In addition to fulfilling the minimum departmental requirements for the non-professional degree of Bachelor of Arts or Bachelor of science, the candidate must offer a major of at least 24 semester hours, a first minor of at least 18 semester hours, and a second minor

of at least 12 semester hours plus elective work to make a minimum of 128 semester hours exclusive of the physical education courses required during the freshman and sophomore years.

FIRST YEAR

First Semester

English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16½ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Mathematics (Elective)	2 hrs.
Science (Elective)	4 hrs.
Elective	7 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16½ hrs.	

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Science (Elective)	5 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16½ hrs.	

Second Semester

English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Elective	10 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16½ hrs.	

THIRD YEAR

First Semester

History (Elective)	3 hrs.
Elective	13 hrs.
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	16 hrs.

Second Semester

Elective	16 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Elective	16 hrs.
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	16 hrs.

Second Semester

Elective	16 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. Use electives also for obtaining minimum departmental requirements.



A View of the Campus.

DEGREES CONFERRED

CLASS OF 1925

Name	Degree	Address
Bennett, Laural Isabel.....	A. B.....	Richmond
Campbell, Green Washington.....	A. B.....	Corbin
Floyd, Mary	A. B.....	Richmond
Hart, Benjamin Franklin.....	A. B.....	Burning Springs
Hume, Elizabeth	A. B.....	Richmond
Lane, Joseph Ernest	A. B.....	Cookeville, Tenn.
Leathers, Hettie Marie.....	A. B.....	Richmond
Mackey, Alexander B.....	A. B.....	Nashville, Tenn.
Mattox, Mary Lou	B. S.....	Richmond
Mullins, Elmer C.	A. B.....	Moreland
Qualls, Daniel Webster.....	A. B.....	Olive Hill
Shearer, William Morton.....	A. B.....	Covington
Skinner, Thomas W.....	A. B.....	Harrodsburg

CLASS OF 1926

Aaron, William George.....	A. B.....	Russell Springs
Ammerman, Mary Jane	A. B.....	Cynthiana
Arbuckle, Sara Evans	A. B.....	Richmond
Bowman, Neal S.	A. B.....	Richmond
Carter, Melba W.	A. B.....	Richmond
Case, Emma Young.....	A. B.....	Richmond
Chadwell, William O.....	A. B.....	Island City
Coates, Lana Martine (Mrs. Stewart Brabant).....	A. B.....	Elkton
Ellis, Henry Lawrence	A. B.....	Louisa
Gullett, William Preston.....	A. B.....	Stacy Fork
Hood, Claude	A. B.....	Soldier
Little, Eula Baker	A. B.....	Richmond
McMullin, Mrs. Virgil	A. B.....	Richmond
Mainous, Clayton George.....	A. B.....	Baton Rouge, La.
Mills, Jennings Franklin.....	A. B.....	Kenton
Mullinix, Edna M.	A. B.....	Richmond
Neikirk, George Archibald.....	A. B.....	Richmond
North, Elizabeth	A. B.....	Cropper
Riley, Ruth	A. B.....	Covington
Routt, Virginia	A. B.....	Hustonville
Watts, John Brown	A. B.....	Annville
Wells, Lillian Jackson.....	A. B.....	Nicholasville
Wheeler, Allie Hendren	A. B.....	Richmond

Name	Degree	Address
White, Bessie Mae	A. B.....	Covington
Wilson, Maude	A. B.....	Kirksville
Word, Carroll Emerson.....	A. B.....	Concord
Yager, Katherine Elizabeth	A. B.....	La Grange

CLASS OF 1927

Bertram, Anna Louise	A. B.....	Vanceburg
Champ, Bernice	A. B.....	Lancaster
Coates, James Dorland.....	B. S.....	Richmond
Cuppy, Florence Montelle.....	A. B.....	Dayton
Estes, Eubie Kate	A. B.....	Owenton
Evans, Ethel Lee	A. B.....	Davisburg
Gilmore, Charles M.....	B. S.....	Hazard
Hendrix, Dewey	A. B.....	Yeaddies
Jones, John Spencer.....	A. B.....	Richmond
Jones, John Spencer (Mrs.).....	A. B.....	Richmond
King, Sam	A. B.....	Burke
Lingenfelter, Emma Margaret	A. B.....	Richmond
Little, Robert E.	A. B.....	Paint Lick
Moore, Allie Ruth.....	A. B.....	Richmond
Payne, James Andrew.....	A. B.....	Cynthiana
Pelley, Thos. Lee	A. B.....	Morning View
Price, Orville	A. B.....	Richmond
Rice, Lawrence K.....	A. B.....	Quicksand
Ross, Emma Baker	A. B.....	Marlboro, Mass.
Sloan, Myrtle Mae	A. B.....	Somerset
Soper, Oma Smith.....	A. B.....	Russell
Triplett, Ishmeal.....	A. B.....	Lackey
Willoughby, Beulah	A. B.....	Richmond

CLASS OF 1928

Acree, C. S.....	A. B.....	Florence
Adkins, Robt. Thompson, Jr.....	A. B.....	Mt. Olivet
Ball, Mrs. Dewey	A. B.....	Lancaster
Bell, Ira	A. B.....	Monticello
Carpenter, Katie D.....	A. B.....	Richmond
Chambers, Henry Clay.....	A. B.....	Richmond
Clark, Mabel	A. B.....	Covington
Clift, Lillian Mae.....	A. B.....	Bellevue
Cummins, Eliza Anderson.....	A. B.....	Stanford
Farley, Claude H.....	B. S.....	Auxier
Fields, Davis S.....	A. B.....	Louisville
Goodman, Kenner C.....	A. B.....	Coxton
Harmon, Judson S.....	A. B.....	Prestonsburg
Hill, Gladys	A. B.....	Richmond

Name	Degree	Address
Hubbard, Elizabeth	A. B.....	Richmond
Hurst, Paul Marshall.....	B. S.....	Morehead
Jones, Fairy	A. B.....	Richmond
Kenney, Mae Kirk	B. S.....	Brooksville
Knarr, Ruth	A. B.....	Ft. Thomas
Little, Daniel B. (deceased).....	A. B.....	Paint Lick
Moberly, Jesse C	A. B.....	Richmond
Moberly, Mary Earle	A. B.....	Richmond
Pearson, William E.....	A. B.....	Waco
Ramsey, Jennie Elizabeth.....	B. S.....	Benham
Redmond, Mattie	A. B.....	Lawrenceburg
Roberts, Delaine O.....	A. B.....	W. Somerset
Stephenson, Lillian G.....	A. B.....	Richmond
Taylor, Mrs. Ethel Tudor.....	A. B.....	Richmond
Wagers, Lawrence	B. S.....	Manchester
Webb, Lela	A. B.....	Burning Springs
Wells, Mrs. Marion Terrell.....	A. B.....	Richmond
White, P. J.....	A. B.....	Harrodsburg
Wilson, Albert	A. B.....	Richmond
Wood, Jesse H.	B. S.....	Pine Knot
Yager, Thomas Clarence.....	A. B.....	Columbia, S. C.

CLASS OF 1929

Alexander, Chester Raeburn.....	B. S.....	Dry Ridge
Amis, Otis Cecil	A. B.....	Himyar
Atkinson, Stella Congleton	A. B.....	Slade
Ballard, May Douglas.....	A. B.....	Richmond
Barret, Mrs. R. T.....	A. B.....	Ashland
Bevins, Billie Zetta.....	A. B.....	Mita
Brooks, Mollie Margaret.....	A. B.....	Parksville
Calico, Hazel Virginia	B. S.....	Paint Lick
Carpenter, Valley	B. S.....	Harrodsburg
Chandler, Robert Edwin.....	B. S.....	Lancaster
Clifton, Wilburn Parker.....	B. S.....	Owenton
Coates, Thomas Henry.....	A. B.....	Morehead
Combs, Beckham	A. B.....	Whitesburg
Congleton, Mrs. Mary A.....	A. B.....	Richmond
Cooper, Vanburen	A. B.....	Caroleen, N. C.
Cord, Emma Harrison	A. B.....	Maysville
Coslow, Mrs. Brunette Money.....	A. B.....	Fisherville
Douds, Harold Lowen	A. B.....	Carmichaela, Pa.
Dykes, Norma Katherine	A. B.....	Richmond
Ellison, Evelyn	B. S.....	Lincoln
Farris, Mrs. Zola White	A. B.....	Richmond
Fowler, Sudie B.....	A. B.....	Cynthiana
Galbraith, Shirley	A. B.....	Brooksville

Name	Degree	Address
Hale, E. B.....	A. B.....	Whitesburg
Harris, Lena Jane	A. B.....	Richmond
Harrod, Justus Goebel	A. B.....	Stanford
Hemm, Susan Riella	B. S.....	Simpsonville
Holbrook, Martha	A. B.....	Owenton
Hugnes, Eliza	B. S.....	Richmond
Kelty, Edna Arabelah.....	B. S.....	Berda
Lair, Ruby	A. B.....	Monticello
Lee, Viola Higgins	A. B.....	Pulaski
Locke, Mrs. Mae Wyan.....	A. B.....	London
McCord, Mary Katherine.....	A. B.....	Richmond
McGuire, Asa Franklin.....	A. B.....	Morehead
McKinney, David Hampton.....	B. S.....	Richmond
Marshall, Clarence W.....	A. B.....	Campton
Milhon, Harriet	A. B.....	Million
Minter, Edna Keliems	A. B.....	Red House
Morris, Roger B.....	B. S.....	Stanford
Paxton, Mrs. Elmer J.....	A. B.....	Shelbyville
Paynter, Charles	A. B.....	Brooksville
Pennington, John Edgar.....	A. B.....	Webbville
Radford, Betty Buckner.....	A. B.....	Swannanoa, N. C.
Ramsey, Charles P.....	A. B.....	Manchester
Reynolds, Coleman	A. B.....	Finchville
Richards, R. R.....	A. B.....	Richmond
Ross, Evelyn Ferrell.....	B. S.....	Richmond
Salyers, Robert King	A. B.....	Lexington
Skinner, V. Lucretia	A. B.....	Harrodsburg
Smith, Robert Luther.....	A. B.....	Perkins
Smith, William Alton.....	A. B.....	Waco
Staton, Lee Roy	A. B.....	Snow
Stennett, Mabel O.....	A. B.....	Russell
Stone, Talton K.....	A. B.....	Carrollton
Thompson, Forest Stone.....	A. B.....	Myers
Thompson, Mrs. Forest S.....	A. B.....	Myers
Wagoner, Thelma May.....	A. B.....	Paris
Ward, Stella	A. B.....	Cropper
Watkins, Willie Moss.....	A. B.....	Liberty
Weaver, Mildred Ethel.....	B. S.....	Loyall
White, Mary Mildred	A. B.....	Ashland
Winburn, Hobart	A. B.....	Waco

CLASS OF 1930

Arnold, Sue V.....	A. B.....	Wheatley
Bell, Mrs. Julia Goodpaster.....	A. B.....	Monticello
Bowen, Maude S.....	A. B.....	Slade
Broaddus, Hazel	B. S.....	Lancaster

Name	Degree	Address
Bush, Sallie T.	A. B.	Winchester
Clayton, S. T.	B. S.	Morehouse, Mo.
Cornett, James H.	A. B.	Paint Lick
Cornett, Willie	B. S.	Larue
Daniel, Mary	B. S.	Stanton
Dial, Fred	A. B.	Branchland, W. Va.
Dudley, Mabel	A. B.	Richmond
Elliott, Irene J.	A. B.	McKinney
Graham, O. J.	B. S.	Springdale
Hammonds, Colonel	A. B.	Paint Lick
Hart, Charles W.	B. S.	Bardstown
Hord, Geneva Jane	A. B.	Richmond
Horton, Herman	A. B.	Johns Run
Humphrey, Clyde Wilson	A. B.	Oil Springs
Jacobs, Richard	A. B.	Cynthiana
McGlosson, Georgiana	A. B.	Richmond
Mahaffey, May	A. B.	Richmond
Martin, Lloyd Lafayette	A. B.	Richmond
Mason, Francis	A. B.	Richmond
Masters, John	B. S.	Paris Crossing, Ind.
Miller, Gladys	A. B.	Parksville
Moore, Willie Griggs	A. B.	Wilmore
Munday, David C.	A. B.	Richmond
Ogg, William E.	A. B.	Berea
Owens, Ethel	A. B.	Mitchellsburg
Parman, Oscar	A. B.	London
Peele, Emily	A. B.	Nicholasville
Pletcher, Jessie Belle	A. B.	Sanborn, N. Y.
Plummer, Charles Milton	A. B.	Paris
Regenstein, Alma	B. S.	Richmond
Reynolds, Lena B.	A. B.	London
Richardson, James R.	A. B.	Richmond
Roe, James Alvin	A. B.	Beechy
Sloas, Nora Virginia	B. S.	Webbville
Slucher, Thelma	A. B.	Barbourville
Smith, Mrs. Alton	A. B.	Waco
Smith, Anna Mae	A. B.	Wasioto
Smith, Eva	B. S.	Frankfort
Stacy, General	A. B.	Ary
Stocker, Mossie	A. B.	Richmond
Stratton, Garland	B. S.	Mayflower
Taphorn, Mary Martha	A. B.	Covington
Tarter, V. K.	B. S.	Whitley City
Tate, Flora	B. S.	Midway
Telford, Margaret	A. B.	Richmond
Triplett, Henry	B. S.	Corbin

Name	Degree	Address
Washburn, Cecil	A. B.....	Paris
Washington, Mary	B. S.....	Russell
White, J. J.	A. B.....	California
Willoughby, Hortense	A. B.....	Richmond
Wilson, Huldah F.....	A. B.....	Covington

CLASS OF 1931

Arnold, Ansel B.....	A. B.....	Cynthiana
Broadus, Louise Ballard	A. B.....	Richmond
Cable, Euphemia	B. S.....	Fincastle
Castle, Fannie Mae	B. S.....	Catlettsburg
Chambers, Eleanor Leslie	A. B.....	Richmond
Chestnut, Clark E.....	B. S.....	Burning Springs
Chrisman, Sue Mae	A. B.....	Danville
Clay, Thelma	B. S.....	Carlisle
Conrad, Louise Bracht	A. B.....	Walton
Cosby, Sara	A. B.....	Richmond
Crace, Allington	B. S.....	Elsie
Davis, Josephine M.	A. B.....	Cynthiana
Davis, Robert Edward.....	A. B.....	Noctor
Derrick, Lucile	B. S.....	Bellevue
Durr, Haldon	B. S.....	Harrodsburg
Elliott, Esther Helen.....	A. B.....	Butler
Elliott, Mabel K.....	A. B.....	Butler
Farley, Lewis Clyde	A. B.....	Pikeville
Fryman, Virgil T.....	B. S.....	Mt. Olivet
Gaines, Charles Flyod.....	A. B.....	Owenton
Greene, Cyrus E.....	A. B.....	Beechwood
Gschwind, Esther L.....	A. B.....	Erlanger
Hacker, Henry	A. B.....	Richmond
Hammonds, Mrs. Colonel.....	A. B.....	Bourne
Harrison, Roswell W.....	A. B.....	Simpsonville
Hicks, Clarissa	B. S.....	Hindman
Hieronymus, Margaret	A. B.....	Richmond
Holbrook, French	A. B.....	Bays
Hood, Ada May.....	A. B.....	Ashland
James, Mrs. Edith.....	B. S.....	Richmond
Jasper, Marvin	B. S.....	Science Hill
Kelly, Jennie Elizabeth.....	A. B.....	Lebanon
Lea, Mary Lillian	B. S.....	Brooksville
Lea, Orland Dale	B. S.....	Brooksville
Long, Mrs. Mary Cox.....	A. B.....	Richmond
Maddox, Noemi Wheeler.....	B. S.....	La Grange
Marshall, Kenneth T.....	B. S.....	Corinth
Martin, Bettie	A. B.....	Richmond
McGibney, William Franklin.....	B. S.....	Owenton

Name	Degree	Address
Million, Elise	A. B.....	Richmond
Morris, Roscoe	A. B.....	Jep Hill
Owens, Mildred	A. B.....	Maysville
Park, Alliegordon Irby.....	A. B.....	Richmond
Pelphrey, Nell	B. S.....	Lancaster
Peters, Julia Anne	B. S.....	Marydel
Pettit, Charles A.....	A. B.....	Elliston
Rees, Rupert S.....	B. S.....	Foster
Rice, David W.....	A. B.....	Brevard, N. C.
Richards, Edna M.	A. B.....	Knoxville, Tenn.
Roach, Alice Isabel	A. B.....	Williamsburg
Rogers, Opal Garnett	A. B.....	Columbia
Salyer, Amanda Patrick.....	A. B.....	Owinsville
Scott, Mildred Mae	A. B.....	Richmond
Scrivner, Sue	A. B.....	Richmond
Smith, Mrs. Mae Blackaby.....	A. B.....	Yancey
Taylor, Willie Mae	A. B.....	Richmond
Terrill, Dorthy	A. B.....	Richmond
Terrill, Olive	B. S.....	Richmond
Tevis, Edward	A. B.....	Richmond
Tudor, Tabitha	A. B.....	Nicholasville
Waldrop, Claude C.....	B. S.....	Owenton
Welch, Lawrence V.....	A. B.....	Georgetown
Wheeldon, Cecil G.....	A. B.....	Waynesburg
White, Frances L.....	A. B.....	Brumfield
Whitehouse, Elmer Clay	B. S.....	Waddy
Whittaker, Rawdy.....	A. B.....	Crawford
Womack, Lillian Agnes.....	A. B.....	Ashland
Work, Charles	B. S.....	Augusta
Wright, Ray H.....	B. S.....	Cox's Creek
Young, Alice McClellan.....	A. B.....	Anco

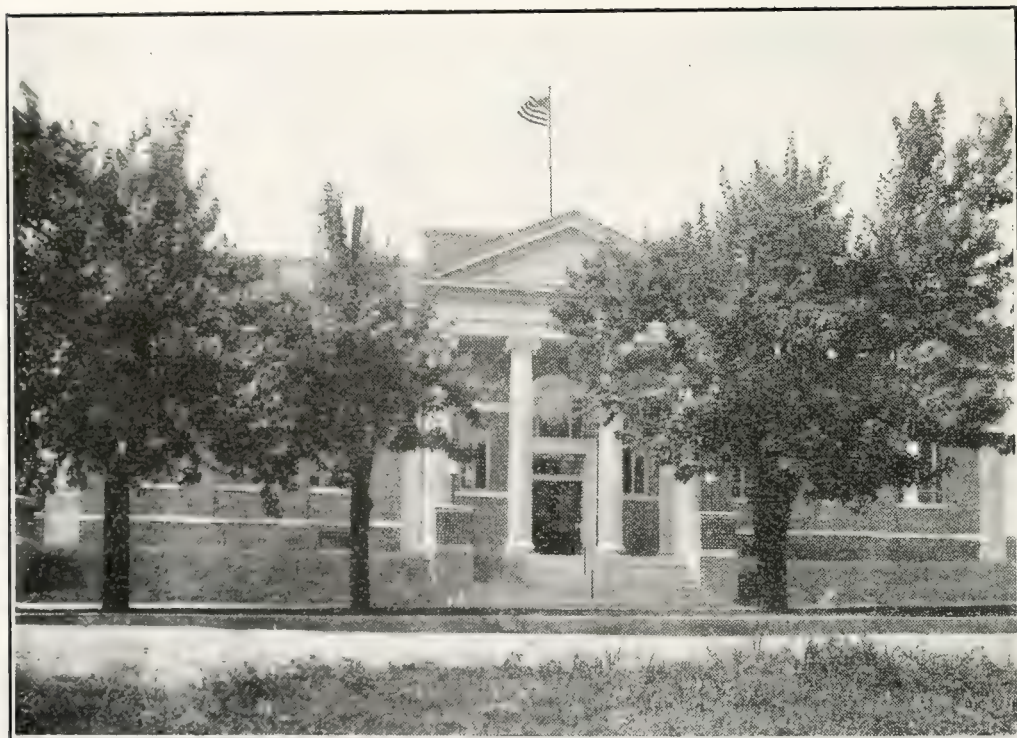
CLASS OF 1932

Adams, Bennie	B. S.....	Carr Creek
Adams, Kearney S.....	A. B.....	Lancaster
Adams, Mrs. Kearney S.....	A. B.....	Lancaster
Bailey, Robert J.....	A. B.....	Garlin
Banks, Edgar	B. S.....	Whitesburg
Bevins, Mrs. Ben L.	B. S.....	Belfrey
Blackwell, Frances	B. S.....	Richmond
Boleyn, Betty, Jo.....	A. B.....	Bolyn
Boyers, Cecil	A. B.....	Boyd
Prock, Margaret	A. B.....	Richmond
Calles, Dora	A. B.....	Lancaster
Campbell, Odell	A. B.....	Monticello
Carter, Gilbert William	B. S.....	Harrodsburg

Name	Degree	Address
Cawood, James Abram	A. B.....	Cawood
Cheatham, Sueanna	A. B.....	Springfield
Cheek, William A.....	B. S.....	Louisa
Chinn, Harriette Lorraine	B. S.....	Wurtland
Cook, Edward K.....	A. B.....	Woodstock
Coppage, Christine	A. B.....	Bradfordsville
Cornett, Larkin Custer	B. S.....	Fogertown
Cox, Elizabeth, H.....	A. B.....	Richmond
Dalzelle, Edith	A. B.....	Carlisle
Dunbar, Mary Lou	A. B.....	Richmond
Dunbar, Mrs. Virginia Todd.....	A. B.....	Richmond
Duvall, Rachel	A. B.....	Wheatley
Ellison, Clarence	B. S.....	Waynesburg
Estridge, Burnam	A. B.....	Paint Lick
Estridge, Lucille	A. B.....	Paint Lick
Evans, Hazel	B. S.....	Richmond
Evans, Mabel	A. B.....	Richmond
Fairchild, Mrs. T. C.....	A. B.....	Ashland
Folmer, C. Fred.....	A. B.....	Independence
Forman, Mary D. T.....	B. S.....	Mayslick
Foster, Sadie D.....	A. B.....	Athens, O.
Floyd, Samantha	A. B.....	Crab Orchard
Fouts, John D.....	B. S.....	Benge
Franks, Evabel	A. B.....	Walton
Goodloe, Paul Miller	B. S.....	White's Station
Griffith, Fleming B.....	A. B.....	Richmond
Guy, Robert L.....	A. B.....	Mt. Sterling
Hale, Herman	B. S.....	Cody
Hale, Lawrence	B. S.....	Cody
Hale, Zelda	B. S.....	Cody
Hamilton, Hargis	B. S.....	Skaggs
Hamilton, Nancy	A. B.....	Union City
Harmon, Willa Farrald	A. B.....	Pine Knot
Hayes, Mollie E.....	B. S.....	Ashland
Hays, Foster M.....	A. B.....	Waynesburg
Hensley, Carlo	B. S.....	Sibert
Hohnhorst, Anthony A.....	B. S.....	Fort Mitchell
Horn, Currey	A. B.....	Harrodsburg
Isaacs, Pine Mae.....	A. B.....	Winchester
La Monda, Jesse W.....	B. S.....	Brooksville
La Monda, Mrs. Jesse W.....	A. B.....	Brooksville
Lawhorn, Charles F.....	A. B.....	Yosemite
Lawhorn, Mrs. Charles F.....	A. B.....	Yosemite
Layne, Raymond Lee	A. B.....	Berea
Long, Capitola	A. B.....	Richmond
Mayes, Mildred Ann	A. B.....	Bondville

Name	Degree	Address
McCollum, Martha Emily.....	A. B.....	Richmond
McHargue, Lester	A. B.....	Pine Hill
McKinley, Herschel	A. B.....	Owensboro
Metlon, William V.....	B. S.....	Confluence
Miller, Mrs. Lillian Estes.....	A. B.....	Lexington
Moberley, Margaret Hume.....	B. S.....	Moberley
Moore, Mrs. Joesph P.....	A. B.....	Garrett
Moores, Walter W.....	A. B.....	Richmond
Morris, Flora	A. B.....	Buechel
Murphy, James W.....	A. B.....	Liberty
Oldham, Louise Derickson.....	B. S.....	Mt. Sterling
Osborn, Emma	A. B.....	Dry Ridge
Osborne, John S.....	B. S.....	Clarence
Otto, Herman E.....	B. S.....	Waynesburg
Patton, James L.....	A. B.....	Elsie
Pearson, Ethel Bogie	A. B.....	Waco
Pearson, Mrs. Sadie Tinsley.....	B. S.....	Richmond
Pope, Mason	B. S.....	Kirksville
Prewitt, D. W.....	A. B.....	Packard
Price, Lelia M.....	A. B.....	Richmond
Ramsey, Anna	A. B.....	Coopersville
Ramsey, William E.....	B. S.....	Hustonville
Ray, Charles P.....	A. B.....	Malcom
Riddell, Elizabeth	A. B.....	Irvine
Riley, Oni Audrey.....	A. B.....	Erlanger
Robinson, Kate	A. B.....	Bondville
Robinson, Mary E.....	A. B.....	Bondville
Rose, Chester A.....	A. B.....	Jellico, Tenn.
Rowlette, Jane Katherine.....	A. B.....	Richmond
Rutledge, Harold Hunt.....	B. S.....	Richmond
Schellenger, Nellie	A. B.....	Wayland
Sharp, Foyster	A. B.....	Rockhold
Shute, Olive	A. B.....	Ashland
Smith, F. Virginia.....	A. B.....	Carlisle
Smith, Ira E.....	B. S.....	Catlettsburg
Smith, Julia Edna	A. B.....	Richmond
Spurlock, H. L.....	B. S.....	Oneida
Starnes, W. Gayle.....	A. B.....	Owenton
Stephens, Maude	A. B.....	Walnut Grove
Stocker, Alice Jean.....	A. B.....	Richmond
Telford, Josephine L.....	A. B.....	Richmond
Thompson, Anna Meredith.....	A. B.....	Carlisle
Tye, Elbert	A. B.....	Belfry
Warren, Challis H.....	A. B.....	Richmond
White, Gleala	A. B.....	Cuzick

Name	Degree	Address
Wilson, Vernon C.....	B. S.....	Sturgeon
Womack, Dorothy	A. B.....	Ashland



John Grant Crabbe Library.

Eastern Kentucky State Teachers College

RICHMOND, KENTUCKY

Member

Association of Kentucky Colleges and Universities
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CATALOG

1934-35



E A S T E R N K E N T U C K Y R E V I E W

VOLUME XXVII

APRIL, 1934

NUMBER 1

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College and entered at the postoffice at Richmond, Kentucky,
as second-class matter November 20, 1906.

1934

CALENDAR

1934

JANUARY

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1935

CALENDAR

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DECEMBER

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1934—The College Calendar—1935

FIRST SEMESTER

September 14, 15	Friday, Saturday.....	Registration of Freshmen
September 17	Monday.....	Registration of Upper Classmen
September 17	Monday.....	Entrance examinations
September 18	Tuesday.....	Classes begin
September 24	Monday.....	Last day to register for full load
October 9	Tuesday.....	Last day to register for credit
November 29	Thursday.....	Thanksgiving (Holiday)
December 18	Tuesday, 4:00 P. M..	Christmas vacation begins
January 2	Wednesday.....	Class work resumes
January 25	Friday.....	Semester closes

SECOND SEMESTER

January 28	Monday.....	Registration
January 28	Monday.....	Entrance examinations
January 29	Tuesday.....	Classes begin
February 4	Monday.....	Last day to register for full load
February 19	Tuesday.....	Last day to register for credit
April 1	Monday.....	Registration for Spring Term
April 1	Monday.....	Entrance examinations
April 2	Tuesday.....	Classes begin
April 3	Wednesday.....	Last day to register for full load
April 8	Monday.....	Last day to register for credit

(Commencement Season)

May 26	Sunday.....	Baccalaureate Address
May 29	Wednesday.....	Commencement
May 31	Friday.....	Semester closes.

ORGANIZATION

BOARD OF REGENTS

JAMES H. RICHMOND

State Superintendent of Public Instruction, Ex-Officio Chairman

J. W. CAMMACK, Owenton, Kentucky

Term Expires 1936

H. D. FITZPATRICK, Prestonsburg, Kentucky

Term Expires 1936

JOHN NOLAND, Richmond, Kentucky

Term Expires 1938

H. M. BROCK, Harlan, Kentucky

Term Expires 1938

OFFICERS OF THE BOARD

JAMES H. RICHMOND, Chairman

H. M. BROCK, Vice-Chairman

J. W. CAMMACK, Secretary

KATHERINE MORGAN, Assistant Secretary

SPEARS TURLEY, Treasurer

EXECUTIVE COMMITTEE

Board of Regents, President, and Treasurer

COUNCIL ON PUBLIC HIGHER EDUCATION

The Council on Public Higher Education is composed of "the presidents and a member of the board of regents other than the Superintendent of Public Instruction of each of the following institutions of higher learning for white persons: University of Kentucky, Eastern Kentucky State Teachers College, Western Kentucky State Teachers College, Murray State Teachers College, and Morehead State Teachers College; three appointive members of the board of trustees of the University of Kentucky; two lay members of the State Board of Education; the dean of the College of Education of the University of Kentucky; and the Superintendent of Public Instruction."

Faculty

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President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers; LL. D., University of Kentucky.

WILLIAM C. JONES, B. S., A. M., Ph. D. Dean of the Faculty; Director of Research; Professor of Education

B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; Ph. D., George Peabody College for Teachers.

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- MARY KING BURRIER, B. S., M. S.** Assistant Professor of Home Economics
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- C. E. CALDWELL, A. B., B. S., A. M.** Associate Professor of Mathematics
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- JANE CAMPBELL, B. Mus., A. B., A. M.** Assistant Professor of Music
 B. Mus., Taylor University; A. B., Eastern Indiana State Normal School; graduate work, Eastern Indiana State Normal School; A. M., Columbia University; student, University of Paris.
- KATIE CARPENTER, A. B., A. M.** Assistant Professor of Elementary Education; Supervising Teacher, Rural Demonstration School
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- ASHBY B. CARTER, B. S., M. A.** Associate Professor of Agriculture
 Student, University of Richmond, University of Virginia and Virginia Mechanics Institute; B. S., M. A., George Peabody College for Teachers; graduate student, Columbia University and University of Kentucky.
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10 EASTERN KENTUCKY STATE TEACHERS COLLEGE

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B. S., George Peabody College for Teachers; one year graduate
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ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

W. A. AULT, Superintendent Buildings and Grounds

FRED BALLOU, Book Store Clerk

LOIS COLLEY, Secretary to Business Agent

MAYME COOPER, Secretary, Director of Extension

AUGUSTA DAUGHERTY, Cashier and Stenographer

LUCILE DERRICK, B. S., Assistant to Director of Research

BESSIE H. GRIGGS, Information Clerk

LILLY ELNORA KOHL, B. S., M. S., Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

E. P. McCONNELL, Bookkeeper

INEZ McKINLEY, Assistant Bookkeeper and Stenographer

KATHERINE MORGAN, Secretary to the President

MRS. HELEN W. PERRY, Stenographer, Registrar's Office

MARIE L. ROBERTS, Housekeeper, Sullivan Hall

MAYE M. WALTZ, Secretary to Dean

EDNA WHITE, Registered Nurse

EUNICE WINGO, Secretary to Dean of Women.

Faculty Organization

DIVISIONS OF INSTRUCTION

1. APPLIED ARTS AND SCIENCES.....William J. Moore, Chairman
2. FINE ARTS.....James E. Van Peursesem, Chairman
3. BIOLOGICAL AND PHYSICAL SCIENCES.....Meredith J. Cox,
Chairman
4. EDUCATION.....William C. Jones, Chairman
5. HEALTH AND PHYSICAL EDUCATION.....Dr. Jacob D. Farris,
Chairman
6. LANGUAGES.....Roy B. Clark, Chairman
7. MATHEMATICS.....Smith Park, Chairman
8. SOCIAL SCIENCE.....Charles A. Keith, Chairman

COMMITTEES

Alumni and Senior Class

Moore, Adams, Carpenter, Case, Coates, Derrick, Floyd, Hughes,
Lingenfelter, McKinney, Park, Richards Story, Tyng
Meets first Tuesday of each month at 4:10 P. M.

Certification and Graduation

Kennamer, Caldwell, Case, Farris, Hummell, Jones, Mattox
Meets on call of the chairman

Student Schedules

Keith and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Gumbert
Meets on first Monday each semester, mid-semester, and each summer
term, at 4:10 P. M.

Entrance Examinations

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker
Meets on call of chairman

Fine Arts and Entertainment

Farris, Buchanan, Caldwell, Campbell, Lutes, Kennamer, Mebane,
Murbach, Telford, Tyng, Van Peursesem
Meets on the first Wednesday of each month at 4:10 P. M.

Library

Floyd, Park, Carter, Clark, Cox, Edwards, Jones, Keith, Kennamer,
McDonough, Ford, Rumbold

Meets on the first Tuesday of each month at 4:10 P. M.

The Training School

Edwards, the critic teachers, and the teachers of education

Meets on call of the chairman

Athletics

McDonough, Farris, Hughes, C. T., Richards, Hummell

Meets on the second Friday of each month at 4:10 P. M.

Societies, Clubs, and Forensics

Clark, Barnhill, Burns, Dix, Dorris, Ferrell, Ford

Meets on second Tuesday of each month at 4:10 P. M.

Student Publications

Rumbold, Cuff, Deniston, Gibson, Hood, Keene, Richards

Meets on second Wednesday of each month at 4:10 P. M.

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb

Meets on second Thursday of each month at 4:10 P. M.

Curriculum

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Park,

Mattox, Moore, Tyng

Meets on third Friday of each month at 4:10 P. M.

Student Welfare, Discipline, and Grievances

Donovan, Case, Farris, Jones, Keith, Barnhill

Meets on call of the chairman

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Fowler

Meets on call of the chairman

Socials and Receptions

Hughes, Burrier, Farris, Fowler, Krick, McKinney, Richards;
ex-officio, Case, Keith
Meets on call of chairman

Extension

Carter, Adams, Dorris, Engle, Hembree, Jones, Mattox
Meets on the fourth Tuesday of each month at 4:10 P. M.

Student Loans, Scholarships and Fellowships

Cox, Brock, Case, Cuff, Keith, McDonough, Portwood, Schnieb
Meets on call of the chairman

Student Labor

Farris, Case, Carter, Floyd, Kohl, McDonough, Brock, Jones

GENERAL INFORMATION

FUNCTION

The primary function of the Eastern Kentucky State Teachers College is that of educating teachers, supervisors, and administrators for the public rural and urban elementary and secondary schools of the state. The college has as its aim the development of both culture and skill in the technique of teaching. These two phases—the attainment of scholarship and a mastery of the art of teaching—constitute the companionate purposes of the institution.

There are other subsidiary functions of the college. These are the operation of the training school, field service, research, the development of ethical professional standards or ideals, and supplementary service.

Training School—The training school is an integral part of the college and is as indispensable to the program of teacher training as a hospital is to the medical school.

Field Service—It is the function of the college to render to the state different field services in the promotion of a system of public education.

Research—It is the function of the institution to discover better ways of teaching through the use of research and experimentation.

The Development of Ethical Professional Standards or Ideals—The institution assumes the responsibility for developing ethical professional standards or ideals.

Supplementary Service—The college courses necessary for entering the professional schools of many of the learned professions are offered. These courses are given as a part of the regular program of the College and do not involve additional cost to the State. An increasing number of students who expect to enter the professions of law, medicine, engineering,

and others, are taking their pre-professional college work at Eastern. This work is fully recognized by the leading professional schools of the country.

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison County, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beckham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs. B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September

1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

LOCATION

The home of the Eastern Kentucky State Teachers College is a city of about 8,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west.

Richmond is on the border line between the blue grass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University, the famous Presbyterian institution which was removed to Danville and united with Centre College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of blue-grass turf, thickly set with fine maple and other trees. Our present buildings include:

University Building—This building was erected by Old Central University in 1874. The model senior high school now occupies this building, which was recently remodeled. Extensive improvements were made to modernize the interior of the building.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This building is named in honor of the first president. It was erected in 1909. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and class rooms.

James W. Cammack Building—It was constructed in 1918 and was recently remodeled and refurnished. The building was designed and is used entirely for the elementary grades. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story fireproof structure and is used exclusively for library purposes. The building contains approximately 33,000 volumes, a large picture collection, and several thousand pamphlets. A room is set apart and is used to house the John Wilson Townsend collection of Kentucky books. Many valuable additions have been made to this collection recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as a laboratory for college students who are enrolled for courses in Library Science.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 150 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building is a beautiful dormitory for women, recently constructed. It is a fireproof structure and accommodates 316 students. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for entertainments of clubs and societies. There is also a large recreation room for women students. A well equipped laundry is provided for the use of students.

The Thomas Jackson Coates Administration Building—This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen classrooms, the college bookstore and college postoffice. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and classrooms.

Weaver Health Building—The new Weaver Health Building named in honor of the late Hon. Charles F. Weaver of Ashland, Kentucky, a former member of the Board of Regents, was opened for class work at the beginning of the spring term, 1931. It is one of the largest and best equipped buildings on the campus. It is a three-story structure of brick, steel, and concrete and is 100 feet by 220 feet. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 by 40 feet. All necessary apparatus for physical education has

been installed in the building. The locker rooms located on the ground floor contain 1,065 steel lockers for the use of students. A feature of the building is an official-size, tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. The building contains classrooms and laboratories for the departments of physical education and health, the office of the college physician, and offices for the physical education staff.

The Central Heating Plant—The Central Heating Plant erected in 1909 contains all the necessary equipment, including boilers and pumps, for heating all the buildings on the campus. Recently a new 300-horsepower boiler with necessary mechanical stoker and forced draft was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large and beautiful brick dwelling situated on the farm. It is used for Home Management work in connection with the Smith-Hughes course in Home Economics. It has been furnished and equipped for this work. It is modern in every respect.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without loss of time in moving from the classroom to the farm. The activities of the farm are those which are usually found in this part of the State. There is a dairy herd composed of purebred Holsteins. These cows furnish milk for the cafeteria.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm.

This farm is owned and operated for the following purposes:

1. To be used by the Department of Agriculture for laboratory and demonstration purposes.

2. To give a limited number of students attending the institution work to help pay expenses.

3. To furnish the dormitories with milk, eggs, meat, and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses, and to pay gradually for needed improvements.

EXPENSES

ROOM, BOARD AND FEES

THE DORMITORIES

Students living in Eastern's dormitories are provided with all the comforts and conveniences of the modern home. Burnam Hall and Sullivan Hall are the women's dormitories and Memorial Hall is the men's dormitory.

Spacious recreation and club rooms are provided in Burnam Hall. Women students receive their visitors in the recreation room and many social functions are held there.

Both men and women students are required to occupy dormitory rooms while rooms are available on the campus. After the dormitories are filled students may take rooms in private homes in Richmond, but should not engage rooms without first consulting the Dean of Women or the Dean of Men. Students are required to room in homes listed by the college when living off the campus.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the college.

Rooms for Women Students—Practically all rooms in the women's dormitories are two-student rooms, but there are a few corner rooms to which three students are assigned. The dormitories will accommodate 435 women students. Rooms in Burnam Hall and Sullivan Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. Each suite of two rooms in New Burnam Hall has a private bath.

Rooms for Men Students—The men's dormitory will accommodate approximately 150 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. Most rooms accommodate two students, a few three students.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath, rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bathrooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water.

ROOM RENT RATES

BURNHAM HALL:

Front rooms	\$2.25	per week per student
Outside rooms—South section	2.00	“ “ “ “
Inside rooms—on court	1.80	“ “ “ “
Front rooms—North section	1.50	“ “ “ “
All other rooms—North section	1.35	“ “ “ “

All rooms have single beds except those renting at \$1.35.

SULLIVAN HALL:

Front rooms	\$1.35 to \$1.50 per week per student	
All other rooms except fourth floor	1.35	per week per student
Rooms on fourth floor.....	1.00	per week per student

All rooms have single beds except those renting at \$1.00.

MEMORIAL HALL:

Front rooms	\$1.35 to \$1.80 per week per student	
Annex rooms	1.50 to 1.80	per week per student
All other rooms	1.35 to 1.50	per week per student

Dormitory Room Reservations—The Room Deposit Fee—Students desiring to have rooms reserved in the dormitories should write the Business Agent for application card, which will be forwarded immediately. When applying for dormitory reservations, students should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received and in that order rooms are reserved. Rooms for the fall semester can generally be assigned promptly upon receipt of applications. Room reservations

for the second semester and summer school cannot be made until the number of students vacating the dormitories at the close of the preceding term is determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college, as a guarantee of the proper care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room Reservations are void unless claimed by 6:30 P. M. Monday, the opening day of the Semester or Term, and the Fee is forfeited—Room reservations are not transferable.

Do not send a reservation fee until you have received a dormitory assignment.

To receive refund of the reservation fee, the holder of a reservation must give notice of cancellation of the room reservation not later than ten days before the opening of the term for which the reservation is made and surrender receipt issued for payment of this fee.

Care of Rooms in Dormitories—Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions; therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms. A committee of the faculty will visit dormitory rooms at regular intervals and if lights are found on when students are absent from their rooms, a charge of 25c will be made for each offense.

Articles To Be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow

cases, three sheets, spreads and comforts or blankets, towels, soap, and runners for table and dresser.

Rooms for Married Couples and Families—Among the Richmond homes offering rooms to students many have facilities for light housekeeping and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that they may receive a list of the homes offering such accommodations.

BOARD

Board is provided in the cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office and may be purchased as needed. The average cost of board is \$3.75 a week.

Men and women students occupying rooms on the campus are expected to take their meals at the college cafeteria. They are required to pay for five cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for three coupon books in advance at the beginning of each five-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$23.00 for which the student will receive five coupon books good for \$25.00 in board. A payment of \$14.25 will be required in advance at the opening of each five-week summer term for which the student will receive three coupon books good for \$15.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

FEES

Important Notice to Students

All payments of College Expenses made by Students must be by Certified Check, Postal or Express Money Order, Cashier's Check, or Cash—No Personal Checks will be accepted—This policy has been made necessary through conditions over which the institution has no control and to enable the institution to carry out the provisions of certain laws enacted by the Legislature which require the college to deposit monthly with the State Treasurer all funds received from fees, board, tuition, and other items of income.

Incidental Fee—Each student pays an incidental fee of \$10.00 each semester and \$5.00 for each summer term and spring term. This fee is paid by all students at the time of registration and is not refunded. It entitles the student to—

1. Admission to the regular numbers of the Lectures and Fine Arts Course
2. Subscription to the Eastern Progress
3. Library service
4. Health service, physical education, and athletics.

Tuition—No Tuition is charged residents of Kentucky—Non-residents of Kentucky are charged the following rate:

For one semester \$27.00

Necessary Expenses at Eastern for One Semester—18 Weeks

Incidental Fee	\$ 10.00
Room Rent in Dormitories	\$18.00 to 40.50
Board in College Cafeteria.....	46.00 to 72.00
College Post Office Box Rent .....	.50
<hr/>	
Total Expenses	\$74.50 to \$123.00

The following expenses are payable in advance for the semester:

Incidental Fee	\$ 10.00
Room Rent in Dormitories.....	\$18.00 to 40.50
Board in College Cafeteria.....	23.00
College Post Office Box Rent .....	.50
<hr/>	
Total to be paid in advance on entrance.....	\$51.50 to \$74.00

Room rent has been reduced at Eastern. The above rates are 10% lower than formerly.

Cost of Books—The cost of books and supplies for the semester may be estimated at from \$10.00 to \$15.00.

Summer School Expenses are in proportion to expenses for the semester.

Laboratory Fees—The fees to be paid for laboratory courses are indicated in connection with descriptions of these courses in another part of this catalog. All laboratory fees are intended to cover the cost of materials and laboratory service furnished. No excessive laboratory fees are charged. Laboratory fees are paid at the time of registration with other items of expense.

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester, and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan receive laundry service for towels and bathing suits for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of the rental will be refunded.

Fee for Late Registration—Students who register after the first two days of a semester or term are required to pay an additional fee of \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Therefore, students are advised to give careful study to the program of classes and the requirements to be met before having class schedule approved. If the change in schedule is requested by the Registrar, the student will not be required to pay the fee.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses by doing various kinds of jobs for the college cafeteria, book store, post office, dormitories, information offices,

farm, etc. Some students may also secure part-time employment in Richmond stores, restaurants, and other business establishments.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all their expenses for at least one semester.

LOANS AND SCHOLARSHIPS

Loans—The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow a small sum at a legal rate of interest on a personal note. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

William Davis Scholarships—Under the provisions of the will of the late William Davis of Newport, Kentucky, a sum of money was left for the benefit of students living in the Lona Estella Davis school district of Rowan county, to be used as scholarships at the Eastern Kentucky State Teachers College. These scholarships are awarded by the superintendent of Rowan county and the president of the Eastern Kentucky State Teachers College. Inquiries concerning these scholarships should be addressed to the superintendent of Rowan county.

Music Scholarships—The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

COLLEGE BOOK STORE AND POST OFFICE

The college book store and post office are located on the ground floor of the Administration Building convenient to all students. Individual lock boxes are furnished in the post office for all students occupying dormitory rooms.

All necessary books and class supplies are carried in the book store for the convenience of students.

CHAPEL PROGRAMS

The College provides chapel programs on Monday, Wednesday, and Friday of each week and the third period is assigned to these programs. These programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone—It is the college annual published each year by representatives of the Senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various department editors, such as art, literary, photographic, advertising, society, and joke.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official bi-monthly review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. Farris, College Physician, and students have the privilege of consulting Dr. Farris for medical advice and attention at all times. Students are given immunizations for various contagious diseases. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical

examinations are given to freshmen students when they enter the institution for the first time. All students whether living in the dormitories or off the campus are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is located in the Weaver Health Building and is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Intercollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. The committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association and all athletic contests are governed by the eligibility rules of that body. Representative teams are developed in football, baseball, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activities, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intramural programs are the vogue throughout the school year.

Eastern is well equipped with gymnasiums, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the College and the Training School. **Only those officially connected with the Institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. If you expect to use the pool, see the COLLEGE PHYSICIAN and arrange to take a complete physical examination. Regulation cotton bathing suits are required and admission is strictly according to schedule.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with a minimum of fifteen units so chosen as to include the basic units is required for admission to the freshman class. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basis Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	1½	-4	Education (including	
Foreign Languages			Psychology)	1½-1
French	1	-3	Sciences	
German	1	-3	Biology	1½-1
Latin	1	-4	Botany	1½-1
Spanish	1	-3	Chemistry	1½-1
Mathematics			General Science	1½-1
Advanced Arithmetic....	1½	-1	Geology	1½-1
Algebra	1-1½		Physics	1½-1
Solid Geometry	1½		Physical Geography....	1½-1
Trigonometry	1½		Physiol. and Hygiene	1½-1½
History and Civics			Sociology	1½
History	1	-4	Zoology	1½-1
Civics	1½	-1		
Political Economy	1½			

GROUP B

(Only four units may be offered in this group.)

Agriculture	1½-4	Home Economics	1½-4
Bookkeeping	1½-1	Shop Work	1½-2
Commercial Law	1½	Music	1½-1
Commercial Geography....	1½	Stenography	1½-1
Drawing—Freehand	1½-2	Surveying	1½
Drawing—Mechanical	1½-2	Salesmanship	1½

The minimum amount of credit allowed in any subject will be one-half unit.

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 inclusive are primarily for freshmen.
 Courses numbered 200 to 299 inclusive are primarily for sophomores.
 Courses numbered 300 to 399 inclusive are primarily for juniors.
 Courses numbered 400 to 499 inclusive are primarily for seniors.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points
		per Semester Hour
A	Excellent	3
B	Good	2
C	Average	1
D	Poor	0
F	Failure	0
I	Incomplete	
Z	Conditioned	

The grades A, B, C, D, and F, cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the student to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load is seventeen hours for those registered as Freshmen and Sophomores and sixteen hours for those registered as Juniors and Seniors. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of nineteen hours upon the approval of the Registrar.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than 9 semester hours nor more than 19 semester hours in a semester. In each such case of re-registration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the re-registration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the re-registration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

DROPPING COURSES

Students who for any reason find it necessary to drop a course must report to the Registrar and arrange for an official drop.

Students who drop courses officially after one-fifth of the semester or term has passed will be assigned a grade of "F" on the courses dropped. An exception may be made in this regulation upon the recommendation of the College Physician that the load be reduced because of poor health. In such cases the students will be assigned the standings which they have at the time the courses are dropped.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

COMMENCEMENT

Commencements are held at the close of the academic year and at the end of the summer school. Students who are candidates for degrees are required to participate in the Commencement exercises unless excused by the President. A student who satisfies the requirements for a degree at times other than at the end of the second semester or the close of the sum-

mer school will receive his degree immediately following the completion of the work and will be regarded as a member of the graduating class immediately succeeding the completion of the work.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the City. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devotional meeting. These organizations are doing a great work in the school and new students should join them and become active workers.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary, all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. These organizations make it possible for students to enjoy a measure of social life along with their professional and intellectual activities.

Name of Organization	Qualifications for Membership
Departmental Clubs:	
Biology Club	Open to students who are taking a major or minor in the Biology Department. Membership is by election.
Canterbury Club	Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election.
Elementary Council	Open to students who are majoring in Elementary Education and to students who are enrolled for Education 261 or 263.

Home Economics Club	Open to students who are taking a major or a minor in Home Economics. Membership is by election.
Physical Education Club	Open to students who are taking a major or a minor in Physical Education. Membership is by election.
Sigma Tau Pi	Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members.
Social Science Club	All majors and minors of Social Science and all Social Science service instructors shall be active members of the organization.
World Affairs Club	Membership in this club shall be of two classes—(1) active, and (2) associate. Active membership shall be invitational and limited to the majors and minors in the Department of Geography and Geology. Eligibility is based upon a general average of 1.5 and a departmental average of 2.0. Associate membership shall be invitational and is open to all faculty members and students of the college. Associate members shall be non-voting members.
Literary and Dramatics:	
Alpha Zeta Kappa	Open to all students who are interested in the intelligent discussion of public questions. Membership is by election.
Horace Mann Society	Open to all students in the College who are interested in public speaking and debating. Membership is voluntary.
Little Theatre Club	Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the Club members.
Rural Life Club	Open to all students who are interested in problems of rural life. Membership is voluntary.

Musical Organizations:

College Band	Open to any student who has the ability to play any one of the instruments usually found in a college band. Some of the instruments are furnished by the College.
Madrigal Club	Open to all women students of the Institution. The ability of the student is the basis of selection. Membership is limited to thirty students.
Men's Glee Club	Open to all men students in the Institution. The ability of the student is the basis of selection. Membership is limited to twenty-five students.
Orchestra	Open to all students; however, new members are admitted only as vacancies occur.
Professional:	
Caduceus Club	Open to students who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension-class instruction, lectures, and various other types of public school service.

Bureau of Appointments—Through the Bureau of Appointments the institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class

instruction is reasonable. For further details see **Extension Division** bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

THE TRAINING SCHOOL

Function—The function of the Training School is two-fold; first, it trains college students in the theory and art of teaching; second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It pro-

vides opportunities for directed observation by college classes in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the state in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions; the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades, located on the college farm near the campus. The length of the school year is nine months.

Enrollment Fees—Fees for the privilege of attending the Training School are to be paid by the semester in advance. They are as follows:

Elementary School, grades 1 to 6 inclusive.....	\$ 4.00 a semester
Junior High School, grades 7, 8, and 9.....	6.00 a semester
Senior High School, grades 10, 11, and 12.....	10.00 a semester

Elementary School—This division of the Training School is composed of grades one to six, inclusive. This school is located in Cammack Building which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Walters Collegiate Institute, was reorganized in the fall of 1930, after a lapse of eight years. This school is located in the University Building which has recently been completely remodeled and especially equipped for high school use. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The same high standards of scholarship, personal honesty, and courteous conduct are characteristics which per-

meate the spirit of the school. The school is fully accredited, and its graduates are prepared for college entrance.

Pupils who may wish to enter the high school should make application for entrance to the Principal of the Model High School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted, a transcript of their school record, signed by their principal or superintendent should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete in every respect. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach and after he has shown evidence of preparation for the work. For the first week or ten days the children are studied, classroom activities are carefully observed, and organization of subject matter goes forward. When actual teaching begins with a group of children, the training teacher supervises the work so that the student teacher may develop the skills, techniques, and controls considered essential to good classroom procedure.

Student teachers reserve the eighth period daily in their schedules for conference with the training teacher.

Before college students are assigned to a place in the Training School for student teaching, it is expected that they shall have sufficient preparation to insure their own progress in the work. The welfare of the children to be taught must also be safeguarded from the ill effects of an inadequately prepared teacher. For these reasons certain prerequisites are adhered to. Before students are permitted to do supervised student teaching they must satisfy the following requirements:

1. **Adequate Preparation**—Sufficient work, including all prerequisite courses, must be completed to insure adequate preparation for student teaching.

2. **Command of Written and Spoken English**—The ability to use written and spoken English effectively. Any college student coming into the Training School with a noticeable deficiency in the use of English will be dropped from student teaching until evidence is shown that this defect has been overcome.

3. **Health**—A certificate showing evidence of good health and a normal physical condition must be secured from the college physician.

4. **Academic Standing**—An average grade of "C" on all courses taken is required for registration in student teaching.

5. **Credits on File**—The applicant for student teaching must be a regularly classified student with all college credits on file in the Registrar's office.

Due to the limited facilities of the Training School, it is necessary to place some limitations upon those who ask for student teaching during the crowded terms.

It is offered during the fall semester to all who are prepared to take it. During the second semester, it is offered to those who are completing the work in this school for a certificate or a degree to be received at the end of that year. During the first summer term, it is offered only to those who have formerly been students in this institution, who have been unable to attend during either of the preceding semesters, and who must have it in order to complete the requirements for a certificate or a degree which they expect to receive at the end of that summer school.

Those who expect to take student teaching during the spring or summer terms should reserve a place by writing to the Director of the Training School.

DIVISION OF APPLIED ARTS AND SCIENCES

Mr. Moore
Miss Burrier
Mr. Carter

Mr. Deniston
Miss Dix
Miss Ford
Miss Gill

Mr. Gumbert
Miss Kohl
Mr. Richards

Agriculture

Mr. Carter

Mr. Gumbert

Agriculture 100. General Agriculture. (2 hours.)

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. Use is made of some elementary texts, bulletins, and assigned reading.

Agriculture 126. Farm Poultry. (3 hours.) Laboratory fee, \$1.00.

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds, poultry house construction, feeds, balanced rations, poultry diseases, egg production, meat production, culling of flock pests, grading and marketing poultry products.

Agriculture 131. General Horticulture. (3 hours.) Laboratory fee, 50 cents.

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 151. (Formerly Agriculture 251.) Farm Engineering. (2 hours.) Laboratory fee, 50c.

Purpose: This is a laboratory course, the purpose of which is to acquaint the student with the problems of engineering on the farm.

Topics: Farm machines, operation and care of farm machinery, farm structure, use of concrete on the farm, and the principles of drainage.

Agriculture 211. (Formerly Agriculture 111.) Farm crops. (3 hours.) Laboratory fee, 50c.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops, crop improvement, storage and marketing, crop rotation, judging grain, testing seeds.

Agriculture 224. Dairy Cattle Management. (3 hours.) Laboratory fee, 50c.

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds, judging, breeding, feeding, calf raising, pedigrees, advanced registry, dairymens association, dairy barn construction, equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours.)

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

Agriculture 243. Rural Sociology. (3 hours.)

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life, movement of population, isolation of rural people, agricultural production, farm tenancy, rural health, rural homes, rural churches, etc.

Agriculture 315. (Formerly Agriculture 115 and 215.) Soils. (3 hours.) Laboratory fee, \$1.00.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of soil physics and soil management, and to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 321. (Formerly Agriculture 121 and 221.) Feed and Feeding. (3 hours.) Laboratory fee, 50c.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 345. Farm Management and Farm Accounts. (3 hours.)

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises; to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms, and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, live stock problems, farm labor, farm rents, farm equipment, farm layout, farm inventories, cost accounts, etc.

Agriculture 441. (Formerly Agriculture 241 and 341.) Agricultural Economics. (3 hours.)

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation, farm equipment, the size of the farms, farm labor and wages, farm credit, insurance needs of the farmer, tenant farming, rent and profit, marketing, farm products, crop estimates and forecasts, price fixing and the cost of farm products, the social side of farm life, the future of the farmer, etc.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Commerce

Mr. Moore

Miss Ford

Miss Gill

Mr. Richards

Commerce 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance by the principal European nations.

Commerce 126. (Formerly Commerce 121.) Business Arithmetic. (2 hours.)

Purpose: To prepare the student for Commerce 219, and to provide the student with sufficient information to enable him to teach business arithmetic.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 131. Penmanship. (No credit.) All students majoring in Commerce are required to take this course unless excused by the Head of the Department.

Purpose: To teach the principles of good handwriting, to afford practice in executing these principles, and to develop an appreciation of good handwriting.

Commerce 151. Beginning Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop proper technique at the typewriter, to attain a minimum speed of twenty words per minute on the typewriter, and to learn to arrange simple material in attractive form.

Topics: Mechanics of the typewriter, the keyboard, word drills, sentence drills, paragraph drills, styles of letters, the general make-up of a letter, attractive arrangement of material, special characters not on the keyboard, and foundations of speed.

Commerce 152. Advanced Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To attain a speed of at least forty words per minute and to develop accuracy in typewriting, to gain an understanding of the theory of typewriting which will enable the student to teach it.

Topics: Drill on material which will develop speed and accuracy; practice in the preparation and writing of business letters, manuscripts, tabulations, legal and other business forms.

Commerce 215. (Formerly 115.) Beginning Shorthand. (5 hours.)

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. (3 hours.)

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the Gregg shorthand principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 219. (Formerly Commerce 221.) Principles of Accountancy. (4 hours.)

Prerequisite: Commerce 126.

Purpose: To prepare the student to teach the subject or to do practical accounting and bookkeeping work; to furnish a background for work in business administration.

Topics: The balance sheet, the profit and loss statement, the philosophy of debit and credit, mixed accounts, periodic work on the ledger, journals, business forms and vouchers, the trial balance and methods of locating errors, control accounts, the work sheet, balance sheet valuation. A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible.

Commerce 220. Principles of Accountancy. (2 hours.)

Prerequisite: Commerce 219.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish a broader background for work in business administration.

Topics: A more thorough consideration of control accounts and practice in handling them in a laboratory set, the characteristics of a partnership, relation of partnership to accounting, formation of a partnership, division of profits, admission of a new partner, retirement of a partner, dissolution of a partnership.

Commerce 230. (Formerly Commerce 125.) Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Commerce 231. Principles of Economics. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation and ownership, financing the government, the revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Commerce 301. (Formerly Commerce 201.) Business English. (3 hours.)

Prerequisites: English 101 and English 102.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; letters of application; business reports; style studies.

Commerce 303. (Formerly Commerce 203.) Secretarial Practice. (3 hours.)

Prerequisites: Commerce 151, 152, 215, 216.

Purpose: To develop speed in transcribing, and to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective office arrangement and display of typewriting; duties of a secretary; dress, deportment, and ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 309. (Formerly 209.) Business Organization. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the different types of business organization.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements

and price combinations; pools; combination trusts; community-of-interest organization; holding company, amalgamations; mergers; promotion; underwriting; stock exchanges; reorganizations and receiverships; legislation.

Commerce 310. (Formerly Commerce 210 and 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: The history from the beginning to the present of the development in the United States of commerce, industry, transportation, banking, labor problems, business organization, monetary problems, and agriculture.

Commerce 322. (Formerly Commerce 221.) Principles of Accountancy. (3 hours.)

Prerequisites: Commerce 219 and 220.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish the student a more comprehensive background for work in business administration.

Topics: Analysis and interpretation of financial statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of a corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 324. (Formerly Commerce 224.) Money and Banking. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Commerce 325. (Formerly Commerce 225.) Accounting Problems. (2 hours.)

Prerequisites: Commerce 219, 220, 322.

Purpose: To acquaint the student with some of the problems met in various fields of accounting and to introduce the student to some C. P. A. problems.

Topics: Financial statements prepared from incomplete records, special types of statements, revision and correction of financial statements, corporate bonds and sinking funds, amalgamations and mergers

of corporations, holding companies and consolidated balance sheets, adjustments and analysis of surplus, consignments and joint ventures, branch houses and selling agencies, fire loss and insurance adjustments, installment sales, and miscellaneous partnership problems.

Commerce 341. (Formerly Commerce 241.) Salesmanship. (3 hours.)

Purpose: To give information essential to those students who desire to teach the subject and to those who expect to do actual selling.

Topics: The art of selling, the motives behind all buying, the customer's mental journey, attitudes of buyer and salesman, preparation of the selling talk, the pre-approach, the interview, arousing interest, creating desire, answering objections, meeting excuses, diplomacy of the close, types of customers.

Commerce 342. (Formerly Commerce 242.) Advertising. (3 hours.)

Purpose: To acquaint the student with some of the principles of advertising and to present certain very essential phases of procedure to be followed in advertising work.

Topics: The specific purpose of advertising, developing the copy, slogans, trade-marks, layouts, engraving, scheduling of advertisements in newspapers and magazines, direct mail advertising, outdoor advertising, dealer display advertising, packages, radio advertising, determining the value and results of advertising.

Commerce 405. (Formerly Commerce 305.) Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject.

Topics: Law in general, kinds of law, persons, torts, contracts, agency, personal property, real property.

Commerce 406. (Formerly Commerce 306.) Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with further principles of law which affect his everyday business relationships, and to enable him to teach the subject.

Topics: Market transactions; bailments; sales and contracts to sell; practices prejudicial to a competitor; practices prejudicial to the public; legislative regulation of market practice; bills, notes, and checks; stocks and bonds; liens; mortgages; bills of lading and warehouse receipts; contracts of guaranty and suretyship; powers of creditors; privileges of debtors.

Commerce 430. (Formerly Commerce 330.) Public Finance. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, and taxation—its meaning and development, some of the requisites of a sound system, the distribution of the tax burden, means of escape from taxation, the general property tax, modified property tax, taxes on corporations, consumption and other excise taxes, taxes on incomes, and estate and inheritance taxes.

Commerce 440. (Formerly Commerce 340.) Investments. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student information concerning the fundamental principles of sound investments, to help the average person to work out a plan for his investments, and to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society, classification of securities, analyses of securities, possibilities of investment in different classes of securities, financial institutions, the mechanics of investments, the effect of taxation on investment policies, investment and the business cycle, business forecasting, and the determination of an investment policy.

Commerce 443. (Formerly Commerce 343.) Marketing. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To provide the student with information concerning the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives, marketing functions and institutions, selling direct to consumer, earlier and simpler types of retail institutions, department stores, mail order houses, chain stores, agricultural wholesale markets, middlemen of the city agricultural markets, classes and types of wholesalers, raw materials, cooperative marketing, speculation, prices and some price policies, brands and brand policies, ethical aspects of marketing.

Commerce 463. (Formerly Commerce 263.) Practice Teaching in Commerce. (2½ hours.)

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision, grading papers, administering and checking tests, preparation of papers on topics related to the student's major interest, and outlines of the subject taught.

Commerce 470. Seminar. (2 hours.)

Commerce 471. Seminar. (2 hours.)

Home Economics

Miss Dix

Miss Burrier

Miss Kohl

Home Economics 101. (Formerly Home Economics 110.) Textiles. (2 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishing, to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers, and to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains; laundering.

Home Economics 102. (Formerly Home Economics 103.) Source, Selection, and Cost of Foods. (2 hours.) Laboratory fee, \$1.00.

Purpose: To familiarize the student with marketing problems, and to teach the kinds and grades of foods.

Topics: The processes that foods undergo from the producer to the consumer; how to purchase; where to purchase; food budgets; variety, source, selection, and comparative cost of foods used in the home.

Home Economics 203. (Formerly Home Economics 111.) Garment making. (3 hours.) Laboratory fee, \$1.00.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready made garments.

Topics: Study of the sewing machine and attachments; making of simple patterns; selection of materials suitable for simple wash dress, kimona or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing; clothing budgets.

Home Economics 204. (Formerly Home Economics 101.) Nutrition and Food Preparation. (3 hours.) Laboratory fee, \$4.00. (If more than 20 students enroll for this class a refund of \$1.00 will be made.)

Purpose: To familiarize the student with the general composition and the place in the diet of foods; to teach the fundamental principles of preparation of foods.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning, preparing and serving of the meal of that unit.

Home Economics 205. (Formerly Home Economics 201.) Meal Planning, preparation and Serving. (3 hours.) Laboratory fee, \$6.00. (During a semester each student enrolled for this class receives 25 meals from this fee.)

Prerequisite: Home Economics 204 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced home meals at varying costs; to familiarize students with different types of table service; and to teach table etiquette.

Topics: Principles of well-balanced meals; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; and care of dining room equipment.

Home Economics 206. (Formerly Home Economics 112 and 212.) Dressmaking. (2 hours.) Fee, \$2.00.

Prerequisite: Home Economics 203 or its equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting, and altering commercial patterns to suit an individual; and to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; and remodeling of wool dresses.

Home Economics 207. (Formerly Home Economics 113 and 213.) Care and Selection of the Wardrobe. (2 hours.) Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of their wardrobes and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 208. (Formerly Home Economics 223.) Home and Social Problems for men. (2 hours.)

Purpose: To create a desire for higher home and social standards, and to train for the job of home making and more efficient citizenship.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 209. Home and Social Problems for Women. (2 hours.)

Purpose: To create a desire for higher home and social standards, thereby preparing women for efficient home-making.

Topics: Nutrition, meal planning and home cookery; marketing; furniture selection and arrangement; clothing selection; family relations; home nursing; child care; social etiquette.

Home Economics 222. Interior Decoration. (2 hours.) See Art 222.

Home Economics 231. Home Nursing. (2 hours.) See Health 231.

Home Economics 355. Costume Design. (2 hours.) See Art 355.

Home Economics 301. (Formerly Home Economics 224.) Household Equipment. (2 hours.)

Purpose: To familiarize girls with various types of modern household furnishings; to appreciate the importance of standardization; to enable them to purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings, including electric and non-electric, cleaning equipment, bedding, linens, china, glassware, silver, floor coverings, wall coverings, furniture.

Home Economics 302. (Formerly Home Economics 102 and 202.) Advanced Cookery. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Home Economics 204.

Purpose: To teach the scientific principles of cookery; to develop skill in cookery.

Topics: Sugar cookery, fruits and vegetables, jelly, gelatin, meat, emulsions, milk, egg cookery, wheat flour and bread, batters and doughs, fats and oils.

Home Economics 303 (Formerly Home Economics 225.) The Family. (2 hours.)

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life, place of children in the family, economic independence of women, homemaking as a profession, distribution of the family income.

Home Economics 304. (Formerly Home Economics 361.) Materials and Methods for Teaching Vocational Home Economics. (3 hours).

Prerequisites: Eighteen hours of Home Economics, Education 111, Education 313 or Education 314, and Education 364.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching, methods of presentation of various subjects and topics, observations of teaching, laboratory equipment, types of laboratories, books and periodicals.

Home Economics 305. (Formerly Home Economics 316.) Tailoring. (2 hours.) Laboratory fee, \$1.00.

Prerequisite: Home Economics 201 or its equivalent.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 306. Unit Course in Foods and Nutrition. (3 hours.) Not open to students who have credit for Home Economics 202 (formerly Home Economics 101) and Home Economics 203 (formerly Home Economics 201). Laboratory fee, \$4.00.

Purpose: To familiarize the student with the fundamental principles of nutrition; to arouse interest in the application of nutritional principles to daily living; to gain the ability to prepare and serve meals correctly; to acquire the art of becoming a gracious hostess and guest.

Topics: Nutrition, marketing, preparation of foods, serving meals, preservation of foods.

Home Economics 307. Unit course in Clothing. (3 hours.) Not open to students who have credit for Home Economics 203 (formerly Home Economics 111) and Home Economics 206 (formerly Home Economics 112 and 212). Laboratory fee, \$1.00.

Purpose: To familiarize students with fabrics suitable to different types of garments; to develop skill in construction technique and to develop the student's ability to wisely select ready made garments.

Topics: Line and color suitable to different figures; commercial patterns; the adaptation of a plain foundation commercial pattern to different styles of dresses; the construction of any undergarment, a cotton or linen dress, a plain tailored silk dress, a tailored wool problem and either a dinner dress or an evening dress.

Home Economics 401. (Formerly Home Economics 301.) Dietetics. (3 hours.) Laboratory fee, \$2.00.

Prerequisites: Home Economics 204, 205, Chemistry 313 and Biology 481 or registration in Biology 481.

Purpose: To give students an opportunity to know the essentials of an adequate diet and the nutritive value of common foods; to apply the fundamental principles of human nutrition to the feeding of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods, requirements of the body under different living conditions, dietary problems, prevention of diseases through the diet.

Home Economics 402. (Formerly Home Economics 331.) Child Development. (3 hours.)

Prerequisites: Education 111 and Education 313 or Education 314.

Purpose: To teach the care necessary for the physical, mental, emotional, and social development of the child from infancy through adolescence.

Topics: Prenatal care of the infant; physical care of the child; standards of mental development, and factors affecting these; standards of emotional stability; training for social normality.

Home Economics 403. (Formerly Home Economics 321.) Home Management. (4 hours.)

Prerequisites: Home Economics 102, 204, 205 and junior or senior standing with a minimum of sixteen hours in Home Economics.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Industrial Arts

Mr. Deniston

Industrial Arts 141. Elementary Cabinet Making. (3 hours.) Laboratory fee, \$6.00.

Purpose: To study furniture making as it may be taught to high school and vocational classes; to consider the organization and teaching of such work in the schools.

Content: A study of the common hand tools, various kinds of woods, and simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 191. Elementary Mechanical Drawing. (3 hours.) Laboratory fee \$6.00.

Purpose: Given as the foundation course for machine and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. (2 hours.) Laboratory fee \$4.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191 or Art 161.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink and color.

Industrial Arts 242. Intermediate Cabinet Making and Wood Turning. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Industrial Art 141 and Industrial Arts 191.

Purpose: To give the student additional cabinet making practice using turned work.

Topics: Selection of problems, practice work on wood lathe, making of turned elements, and assembling of projects. Attention will be given to the sharpening of tools, their care, and the finishing of projects.

Industrial Arts 249. Wood Finishing and Decoration. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. General Metal Working. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To acquaint the student with the various processes of working with some of the common metals.

Topics: A study of the different kinds of metals, their uses, tempering and finishing. Work in bending, twisting, chipping, filing, drilling, riveting, soldering, and forging will be attempted.

Industrial Arts 299. Lettering. (1 hour.) Laboratory fee, \$2.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 343. (Formerly Industrial Arts 242.) Advanced Cabinet Making and Mill Work. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 242.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: Making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 361. Organization, Administration and Supervision of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Junior standing.

Purpose: To provide the teachers and administrators with a background and information concerning the organization, administration, and supervision of industrial arts.

Topics: Analysis of the administrative officer, organization, instructional material, tests and measurements, professional reading, and the supervision of instruction.

Industrial Arts 392. (Formerly Industrial Arts 292.) Elementary Machine Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts and conventions. The student secures his problem from

perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 394. (Formerly Industrial Arts 294.) Elementary Architectural Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering, drawing from cast; sketching; lectures.

Industrial Arts 401. (Formerly Industrial Arts 201 and 301.) Problems in Industrial Arts. (1 or 2 hours.) By appointment. Laboratory fee, \$2.00 or \$4.00.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 466. (Formerly Industrial Arts 366.) Teaching of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, testing and system of grading.

Library Science

Miss Floyd

Miss Bennett

Mrs. Whitehead

Miss Mason

Library Science 166. Library Methods. (1 hour.)

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliography, and printed aids in book selections.

DIVISION OF FINE ARTS

Mr. Van Peurse	Miss Fowler	Mrs. Lutes	
Miss Campbell	Miss Gibson	Miss Mebane	Miss Telford

Art

Miss Fowler	Miss Gibson	Miss Mebane
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Art 117. (Formerly Art 115 and 116.) Elementary Drawing and Design. (4 hours.) Laboratory fee, \$3.00.

Purpose: Development of technical skill and creative ability through fundamental training in the use of line, form, tone and color. A beginning course of general appeal, also an essential foundation course for the special art student and the home economics major.

Topics: Representation of simple objects, plants, birds, animals, the human head and figure. Elementary study of perspective, light and shade composition, color, design, pencil and pen drawing. Mediums employed include pencil, charcoal, crayon, water-color, clay, pen and ink.

Art 161. Public School Art. (2 hours.) Fee, \$2.00.

Purpose: A course for the grade teacher who wishes to become more efficient in the teaching of lettering, design, color, representation, construction and appreciation in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants and constructed objects; color; design; lettering; book-making; appreciation.

Art 200. (Formerly Art 190). Appreciation of Art. (2 hours.) Fee, 50c.

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 215. Color Theory. (1 hour.) Fee, \$1.00.

Purpose: Development of ability to use color scientifically and to experience intelligent enjoyment of its effects. A course of general interest, especially valuable to the special art student and the student of dramatic arts.

Topics: The hues of the spectrum, their external causes, their appearance under different conditions of illumination, the different

qualities of each which results from the use of various materials and methods of treatment. The use of typical color combinations; study of so-called systems of color.

Art 217. (Formerly Art 216 and 225.) Lettering and Poster Design. (2 hours.) Fee, \$2.00.

Purpose: Development of appreciation of good typography, and good design in lettering and posters. Development of the ability to apply art principles in the production of hand lettering and effective posters.

Topics: The fundamental styles of lettering, their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement, including the making of monograms, notices, show cards. Application of advertising principles to the making of simple posters.

Art 222. Interior Decoration. (2 hours.) Fee, 75c.

Purpose: A general survey course for the student who desires a knowledge of the principles of design in relation to interiors. Special emphasis is placed on the house and its interior.

Topics: Architecture; the house and its setting, types of houses; exterior and interior architecture; ornament. Study of period furniture, characteristic period backgrounds, antiques, reproductions. Treatment of interiors—color, form, line, texture in furniture and furnishings in relation to backgrounds; stage settings.

Art 315. Drawing, Painting, and Composition. (3 hours.) Fee, \$1.25. (Students supply water colors and materials for all painting.)

Prerequisite: Art 117 or equivalent.

Purpose: Development of technical skill and creative ability.

Topics: Drawing and painting in charcoal, crayon, chalk, oil and water color. Study of still life, out door sketching, perspective, composition.

Art 316. Drawing and Modeling. (2 hours.) Fee, \$1.25.

Prerequisite: Art 117 or equivalent.

Purpose: Development of graphic ability.

Topics: Drawing and modeling from the cast of head and figure; figure sketching and composition.

Art 355. (Formerly Art 255.) Costume Design. (2 hours.) Fee, \$1.00.

Purpose: The course is planned to give a general knowledge of the principles of design as they relate to the costume. This course is for the special art student and the home economics major.

Topics: Color, form, line, texture, history of costume, projects for the secondary school, costuming plays; technical problems of the

representation of costumes in water color, pen and ink, crayon and tempers; appreciation of the work of costume designers.

Art 361. (Formerly Art 261.) Art Education in the Elementary and Secondary School. (3 hours.) Fee, \$1.00.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary and secondary school.

Topics: The course of study, minimum content essentials, methods, standards of attainment, tests and measurements and equipment.

Art 372. Applied Design. (3 hours.) Fee, \$3.00.

Prerequisite: Art 117 or equivalent.

Purpose: To develop through the use of materials and processes and through a study of fine examples of crafts an appreciation of good craftsmanship.

Topics: Application of design made to stenciling, linoleum block printing, batik, leather tooling, tie-dyeing, soap carving, book making.

Art 390. (Formerly Art 290.) The History of Art. (3 hours).

Purpose: To provide the student with a basic understanding of the development of the plastic arts.

Topics: An introduction to the study of the history of architecture, sculpture, painting, and minor arts of all nations; prints and slides are used for illustrative purposes.

Art 475. (Formerly Art 375.) Commercial Art and Illustrations. (3 hours.) Fee, \$2.00.

Prerequisites: Art 117, 217, 316 or equivalent.

Purpose: Development of creative ability and technical skill in the field of commercial art.

Topics: Lettering, layout, design, illustration in black and white and in color; methods of reproduction.

Art 476. Advanced Painting. (3 hours.)

Materials to be supplied by student.

Prerequisites: Art 117, 315, 316, and preferably 215 or equivalent.

Purpose: Development of technical skill and appreciation for those desiring special training in painting mediums.

Topics: Painting in water color and oil from still life and the figure. The course will be adapted to the requirements of the particular group.

Music

Mr. Van Peursem

Miss Campbell

Miss Telford

Mrs. Lutes

MUSIC FEES

Individual Instruction ((Piano, voice, violin, cello):

Two half-hour lessons per week, one semester	\$27.00
One half-hour lesson per week, one semester	18.00
Music 18a, 18b, 28a, and 28b, one semester	5.00
Music 238b, one semester	5.00
Practice room with piano one hour daily, one semester	5.00
Use of school owned violin, one semester.....	2.50

MUSIC SCHOLARSHIPS

The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

Music 11a and 11b. Piano. Individual Instruction. (No credit.)
See music fees.

This work may be completed in one year, or it may require more time, according to the ability and application of the students.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65 Bk. I.

Music 18a and 18b. Piano. Class Instruction. (No credit.)
See music fees.

Purpose: To give group instruction, to provide a foundation for correct piano playing and to prepare the student for more advanced private study.

Topics: Hand position, notation, simple melodies, and folk songs.

Music 21a and 21b. Voice. Individual Instruction. (No credit.)
See music fees.

Music 28a and 28b. Voice. Class Instruction. (No credit.)
See music fees.

Music 31a and 31b. Violin. Individual Instruction. (No credit.)
See music fees.

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales, and exercises as will prepare the student to enter Music 231a.

Music 36a and 36b. Violin cello. Individual Instruction. (No credit.)

See music fees.

Music 120. Chorus. (1 hour.)

Purpose: To encourage and foster a knowledge of and a desire to participate in choral singing, to teach part singing, to familiarize students with standard community and folk songs with the more familiar choral works of the masters and with some of the simpler modern works for mixed chorus.

Topics: Familiar sacred and secular songs, and the simpler works for mixed chorus.

Music 150. Elements of Music. (2 hours.)

Prerequisite: Music 160, or equivalent music experience.

Purpose: To provide, for those of some music experience, a thorough foundation in the elements of music notation and terminology, and the fundamental principles of reading by syllable, and to equip the student with such theoretical knowledge as is needed in order to profitably begin the study of Harmony.

Topics: Staff notation, notes, rests, clefs, scales (various modes), keys, meter, chromatic tones, intervals, chords, cadences, abbreviations and other symbols, music terms, elements of form, solmization, music writing and simple dictation.

Music 160. Public School Music. (2 hours.)

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles applied to its presentation, and to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades, child voice, tone quality, unmusical singers, rhythmic development, staff notation, beginning music reading, use of the phonograph in singing and in rhythm and appreciation work, materials, and appreciation.

Music 201. Music Appreciation. (3 hours.)

Prerequisite: Music 150.

Purpose: To foster a love for, and understanding of, good music.

Content: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 211a and 211b. Piano. Individual Instruction. (2 hours.)

See music fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy. Op. 120; Bach. Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Wolff. The Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny. Op. 299. Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Philipp, Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths, and tenths; tonics, dominant, and diminished seventh arpeggi, and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, three part inventions; and Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradu ad Parnassum; Beethoven, Sonatas.

Music 221a and 221b. Voice. Individual Instruction. (2 hours.)
See music fees.

Topics: Breathing exercises inductive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. (2 hours.)
See music fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. (2 hours.)
See music fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. (2 hours.)

See music fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical Lieder.

Music 231a and 231b. Violin. Individual Instruction. (2 hours.)

See music fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart Danca, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple and quadruple; finger, shifting and bowing exercises; one and two finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, Selected Studies; Fiorillo and Parre; Miscellaneous pieces; One or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowings of the diminished seventh chord; all scales, ascending and descending on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

Music 236a and 236b. Violin cello. Individual Instruction. (2 hours.)

See music fees.

Music 238a. Violin. Class Instruction. (1 hour.)

Purpose: To give sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; introduction to third position; study, discussion, and practice teaching in the class; and instrumental class procedure and methods.

Books I and II of various beginners methods, three and four part ensemble material, and simple sight reading.

Music 238b. Violin. Class Instruction. (1 hour.)

See music fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; and string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginners methods, and supplementary practice and sight reading material.

Music 243a and 243b. Wind Instruments. Individual Instruction. (2 hours.)

See music fees.

Topics: Embouchure; principles of tone production; breathing; tonguing; phrasing; and theory, including major and minor scales, arpeggi, and easy transpositions.

Universal Teacher, Maddy and Giddings, and Foundation Method, Vereecken.

Music 248a. Wind Instrument Class. (1 hour.)

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. (Formerly Music 151. Harmony I. (2 hours.)

Prerequisite: Music 150.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and Minor scales, intervals; triads; dominant seventh with its resolutions; inversions; and harmony at the keyboard.

Music 252. (Formerly Music 152.) Sight Singing and Ear Training I. (1 hour.)

Prerequisite: Music 150.

Purpose: To begin development of aural perception of music symbols, to teach association of the symbol with the tone it represents, and to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups, and verbal and tonal dictation, interval drill.

Music 253. (Formerly Music 153.) Harmony II. (2 hours.)

Prerequisites: Music 150 and 251.

Topics: Modulation by dominant seventh, cadence in new key, common chord modulation, dominant ninth, chords of the seventh, and harmony at the keyboard.

Music 254. (Formerly Music 154.) Sight Singing and Ear Training II. (1 hour.)

Prerequisite: Music 252.

Topics: More difficult sight singing and tonal dictation, simple harmonic recognition, and more complex rhythms.

Music 302. (Formerly Music 202). Music History. (2 hours.)

Purpose: To study the history of music for its cultural and appreciative value.

Content: The development of ancient and medieval music, the lives of musicians up to and including the time of Beethoven, illustrated with phonograph records.

Music 303. (Formerly Music 203). Music History II. (2 hours.)

Purpose: A continuation of Music History I.

Content: The music and lives of composers since Beethoven.

Music 351. (Formerly Music 251.) Harmony III. (2 hours.)

A continuation of Music 253.

Music 352. (Formerly Music 252.) Sight Singing and Ear Training III. (1 hour.)

A continuation of Music 254.

Music 353. (Formerly Music 253.) Harmony IV. (2 hours.)

A continuation of Music 351.

Music 354. (Formerly Music 254.) Sight Singing and Ear Training IV. (1 hour.)

Music 361. (Formerly Music 261.) Grade Methods and Materials. (2 hours.)

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grades, and to acquaint him with methods and materials.

Topics: Same as Music 160, but a more advanced consideration. The course includes observation, and library reading.

Music 362. (Formerly Music 262.) Conducting. (2 hours.)

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton, tempo, attach, release, phrasing, dynamics, seating of the chorus and orchestra, discipline of rehearsals, and community music.

Music 363a and 363b. Teaching of Piano in Classes. (2 hours.)

Prerequisite: Music 213, or the equivalent.

Purpose: To prepare the advanced student for the teaching of class piano in the graded school.

Topics: Methods of teaching piano in classes, observation, and practice teaching.

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Cox
Mr. Herndon

Mr. Hummell
Mr. Kennamer

Miss Krick
Mr. Rumbold

General Science

Mr. Cox
Mr. Herndon

Mr. Hummell

Miss Krick
Mr. Rumbold

The two courses in general science are designed for elementary teachers and supervisors. They are primarily content courses dealing with the general fields of the biological and physical sciences. The subject matter of these courses include also aims in teaching elementary science, methods of presentation, and ways of collecting, using, and preserving materials for the teaching of science.

Science 110. Introduction to Science. (3 hours.) Laboratory fee, \$1.50.

Purpose: The purpose of this course is to present the field of the physical sciences, their nature and interpretation.

Topics: This course deals with the important topics in physics, chemistry, geology and related subjects.

Science 111. Introduction to Science. (3 hours.) Laboratory fee, \$1.50.

Purpose: This course is a continuation of Science 110 and presents in broad outline the field of the biological sciences.

Topics: This course deals with the important topics in biology, botany, zoology, and related subjects.

Biology

Mr. Rumbold

Miss Krick

Biology 121. General Biology. (4 hours.) Laboratory fee, \$4.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory sys-

tem, reproductive system, respiratory system, embryology, homology, and analogy; protective coloration; adaptation, and genetics.

Biology 231. Botany I. General Botany. (4 hours.) Laboratory fee, \$4.00.

Purpose: An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Botany II. General Botany. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 241. Invertebrate Zoology. (4 hours.) Laboratory fee, \$4.00.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa, porifera, coelenterata, ctenophora, platyhelminthes, nemathelminthes, annelida, echinodermata, mollusca, and arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 325. (Formerly Biology 225.) Genetics. (2 hours.)

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 335. (Formerly Biology 235.) Local Flora. (2 hours.)

Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 231.

Purpose: To familiarize the student with the local flora, to instruct in the use of various systematic keys to flora, and to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classifications; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 343. (Formerly Biology 243.) Economic Entomology.

(4 hours.) Laboratory fee, \$4.00.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 433. (Formerly Biology 233 and 333.) Plant Diseases.

(3 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 231, or 121 and permission of the instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States, and to acquaint the student with the general problems in the field of plant pathology.

Topics: Typical plant diseases are studied with regard to their symptoms, causes and means of spread; life history of the casual organisms; and economic importance of the disease and methods of control.

Biology 444. (Formerly Biology 244 and 344.) Animal Parasites.

(4 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trinchina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Anellida, and Arthropoda; Arachnida (mites and ticks); Arthropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 445. (Formerly Biology 245 and 345.) Embryology. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 481. (Formerly Biology 381.) Animal Physiology. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: This course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

Chemistry

Mr. Cox

Mr. Herndon

The chief function of this department is the training of chemistry and science teachers. However, courses are offered to meet all requirements for medicine, dentistry, engineering and graduate work.

Majors in chemistry are required to take the following courses: Chemistry 111, 112, 213, 215, and 411 or 415.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. (4 hours.) Laboratory fee, \$4.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 215. Organic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111 and 112. (112 not required as prerequisite for Home Economics majors.)

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantitative Analysis. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric; volumetric and electrolytic determinations.

Chemistry 312. Advanced Organic Chemistry. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 215.

Purpose: To give a general survey of the aromatic organic compounds and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, diazonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Bio-chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 411. (Formerly Chemistry 311.) Advanced Quantitative Analysis. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 415. (Formerly Chemistry 315.) Physical Chemistry (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception of chemical laws and to illustrate interrelationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

Geology

Mr. Kennamer

Geology 301. (Formerly Geology 201.) Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Physics

Mr. Hummell

Physics 102. Household Physics. (3 hours.) Open to students majoring or minoring in Home Economics.

Purpose: To study the principles of physics and their applications in the home.

Topics: Lectures with experimental demonstrations.

Physics 201. Mechanics, Heat, and Sound. (5 hours.) Laboratory fee, \$2.00.

Prerequisites: Mathematics 107, Mathematics 113 or registration in Mathematics 113.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach physics in high school, but also for those students who expect to enter the field of engineering.

Topics: Falling bodies; Newtons laws of motion and applications to practical problems; curvilinear motion; composition and resolution of forces; the laws of equilibrium and their application to various problems; work and energy; machines; momentum; elasticity; simple harmonic motion; hydrodynamics; heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. (5 hours.) Laboratory fee, \$2.00.

Prerequisite: Physics 201.

Purpose: This course is a continuation of Physics 201, and should be taken by the student who expects to teach physics or general science in high school, or to enter the engineering field.

Topics: Electrostatics, the nature of electricity, properties of a moving electric charge (chemical, heating, and magnetic effects), magnetism, Ohm's law, measurement of electrical quantities, sources of electrical energy, Lenz's law, inductance and capacity, alternating current, and electric waves and radio.

Physics 300. Modern Physics. (4 hours.)

Prerequisites: Physics 201, Physics 202, Mathematics 351 or registration in Mathematics 351.

Purpose: To acquaint the student with the general field of modern physics before he studies the special subjects in more detail.

Topics: Historical introduction, some useful mathematics, alternating current, electromagnetic theory of radiation, properties of moving charged bodies, the electron, kinetic theory of gases, thermionics, the photoelectric effect, X-rays and their applications, Bohr theory of spectra, periodic law and atomic structure, critical potentials, radio

and television, radioactivity and isotopes, geophysics, astrophysics, relativity, specific heats, electrical resistance, high frequency sound waves, and recent developments in physics.

Physics 302. Introduction to Physical Optics. (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion, reflection and refraction, further study of lenses, the telescope, dispersion, facts concerning the spectrum, interference, diffraction, plane polarized light, the electromagnetic theory of light, the quantum theory and origin of spectra, the dilemma.

Physics 304. Advanced Electricity and Magnetism. (3 hours.)

Prerequisites: Physics 201, 202, and Mathematics 351.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism, the electric current, electrostatics, electrolysis, thermo-electricity, electromagnetics, alternating currents, electromagnetic radiation, conduction in gases, and electrons and atoms.

Physis 401. (Formerly Physics 301.) An Advanced Course in Mechanics. (5 hours.)

Prerequisites: Mathematics 352 and Physics 201 and 202.

Purpose: To give the student a firm grasp of the physical principles of theoretical mechanics, leaving aside at first all mathematical developments and all practical applications, except in so far as these contribute to the elucidation of the fundamental physical principles.

Topics: Rest and motion, force and the laws of motion, forces acting on a single particle, statics of systems of particles, statics of rigid bodies, center of gravity, work, motion of a particle under constant forces, motion of systems of particles, motion of a particle under a variable force, motion of rigid bodies, generalized coordinates.

DIVISION OF EDUCATION

Mr. Jones
Mrs. Case
Mr. Cuff
Mr. Edwards

Mr. Ferrell
Miss Hansen

Mr. Mattox
Miss Schnieb
Mrs. Tyng

Training School Staff

Miss Adams
Miss Alvis
Mr. Bryant
Miss Carpenter
Mr. Coates

Mr. Grise
Miss Hanson
Miss Lee
Miss Lingenfelter
Miss Pugh

Miss Rush
Miss Story
Mr. Walker
Miss Wilson
Miss Wingo

Education 111. Educational Psychology. (3 hours.)

Purpose: (a) To introduce the future teacher to the fundamental principles of educational psychology, (b) to teach the student to apply the psychology of learning to classroom practice, and (c) to provide some acquaintance with the field of measurement.

Topics: Introduction, nature and nurture, growth, motivation, emotion, mental hygiene, intelligence, individual differences, the learning process, the control of the learning process, the hygiene of work, psychology of learning in school subjects, psychology in school relationships, transfer of training, the higher intellectual responses, measurement of achievement, and character and personality.

Education 160. Classroom Management. (3 hours.)

Purpose: To acquaint the student with the problems of school management; to see how to handle these problems with the minimum amount of energy and time; to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two; to acquaint the student with a well-organized, well-managed school through directed observation in demonstration school.

Topics: Organizing the school, the first day of school, the daily program, the graduation and classification of pupils, discipline, management of the library, attendance, records and reports, schoolroom equipment; classroom routine, school house keeping, sanitation and health, and management of extra-curricular activities.

About one-fifth of the time will be spent in observation in a regularly organized training school meeting the standards of the American Association of Teachers Colleges.

Education 162. Teaching the Common School Branches. (3 hours.)

Purpose: (a) To familiarize the student with the state course of study, (b) to give practice in organizing materials for class work,

and (c) to acquaint the student with modern methods of teaching through directed observation in a demonstration school.

Topics: Subjects as outlined in the state course of study with special emphasis on reading, language, spelling and arithmetic; educational seat activities; measuring instruction by the use of examinations, standardized and new type tests.

This course meets four hours per week, at least one of which is spent in observation in a regularly organized training school, a school organized especially for training school purposes and meeting the standards of the American Association of Teachers Colleges.

Education 261. Fundamentals in Early Elementary Education. (3 hours.)

Purpose: (a) To provide graduated approach to student teaching in the primary grades, (b) organize units of work, both group and individual, (c) introduce methods in teaching grades one, two, and three, (d) learn to make lesson plans, (e) give practice in organizing materials for the between-recitation period, (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings, and by classroom discussion, (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction, and (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 263. Fundamentals in Intermediate Education. (3 hours.)

Purpose (a) To acquaint the student with the common school problems and activities which arise in the experiences of teachers, (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes, (c) to give practice in organizing units of work for use in the intermediate grades, (d) to give practice in making lesson plans, (e) to introduce some of the devices and methods used in modern teaching, and (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School and by assigned readings and class discussion.

Topics: The meaning and the function of the school, school organization and equipment, class organization, function of the course of study, curricular activities and materials, classroom routine and equipment, community cooperation, standards for observing class work, lesson planning, teaching the elementary school subjects in the later grades, and measuring progress of instruction.

Education 265. Supervised Student Teaching. (5 hours.)

Prerequisite: Education 261 or Education 263.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the elementary school and (2) to acquaint the student teacher with modern devices and materials of elementary education.

Topics: Observation of the activities of the classroom and materials of instruction. Under the training teachers supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 301. (Formerly Education 201.) The Junior High School. (2 hours.)

Purpose: (a) To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school, (b) to give an understanding of the purposes of the junior high school, its organization, and administration, (c) to determine the peculiar objectives and functions of the junior high school education, and (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

Education 305. Educational Sociology. (2 hours.)

Purposes: (a) To investigate the several factors and laws upon which educational theory and practice must rest, (b) to give a concrete picture of the actual conditions and the distinctive characteristics of group life, (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other institutions of the community, and (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 313. (Formerly Education 114 and 213.) Child Psychology. (3 hours.)

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood, (b) to describe the behavior and activities which may be expected of a child in any stage of development, (c) to teach the student how to observe and to interpret the behavior of children, and (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction, biological foundations, early childhood, motivation, emotion, language, manipulation, play, physical development, mental life, learning, intelligence, character and personality, adolescence, individual differences, and guidance of children.

Education 314. (Formerly Education 214.) Psychology of Adolescence. (3 hours.)

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence, (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens, (c) to teach students how to solve problems of adolescent behavior, and (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction, physical development, mental development, growth of intelligence, adolescent instincts and interests, emotional life, learning and forgetting, moral and religious development, adolescent personality, disturbances of personality, hygiene of adolescence, prediction of adolescent behavior, and guidance of adolescent behavior.

Education 321. Educational Measurement. (2 hours.) Fee, \$1.25.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 341. The Elementary School Curriculum. (3 hours.)

Purpose: (a) To acquaint the student with the literature on curriculum construction, and (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education, function of the school, function of the curriculum, the curriculum as related to the objectives of education, criteria for evaluating curricula, and need and procedure for curriculum construction and revision.

Education 351. (Formerly Education 251.) Rural School Supervision. (3 hours.)

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools, (b) to assist the student in planning and administering a desirable supervisory program, (c) to give instruction in the use of the various agencies of supervision, and (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision

in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; gradation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

Education 352. (Formerly Education 252.) County School Administration. (3 hours.)

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools, (b) to present a desirable philosophy of rural education, and (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendent; powers, duties and qualifications of the members of the county board of education; school organization and control; the county unit system; the school plant, location, equipment, and care of buildings; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems; playgrounds and playground equipment; problems of small schools, especially of one-, two- and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the county superintendent as secretary of the county board; relations between the superintendent and the board; bookkeeping of the county superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

Education 354. (Formerly Education 164 and 254.) Reading in the Elementary School. (2 hours.)

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices; to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

Education 364. (Formerly Education 264.) Methods of Teaching in the Secondary School. (4 hours.)

Purposes: (a) To provide a graduated approach to student teaching in the high school grades, (b) to give practice in selecting and organizing materials for teaching purposes, (c) to develop a technique of planning instruction, (d) to familiarize prospective high school teachers with the newer forms of teaching technique, (e) to emphasize the desirable outcomes of high school teaching, and (f) to analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time and effort; technique of class management; providing opportunity for pupil's activities; exhibiting useful teaching traits.

Education 403. (Formerly Education 203.) Principles of Teaching. (3 hours.)

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching, and (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education, meaning and function of the the school, meaning and evidences of learning, purposeful activities, selection and organization of subject matter, various types of class procedure, making assignments, and standards for judging teaching.

Education 415. (Formerly Education 315.) Advanced Educational Psychology. (3 hours.)

Purposes: (a) To enable the student to study intensively and extensively about the motivation, intelligence, and learning of children, (b) to improve the students ability to teach by increased knowledge of how learning occurs, (c) to discuss conditions for effective school work, and (d) to apply the principles of psychology to the solution of additional school problems.

Topics: Introduction, nature and nurture, growth, motivation, emotion, mental hygiene, intelligence, individual differences, the learning process, the control of the learning process, the hygiene of work, psychology of learning in school subjects, psychology in school relationships, transfer of training, the higher intellectual responses, measurement of achievement, and character and personality.

Education 423. (Formerly Education 223.) Principalship. (3 hours.)

Purpose: The purpose of this course is (a) to give the student a knowledge of the problems of the principal, (b) to study and evaluate the activities and responsibilities of the principal, (c) to acquaint the student with the relation of the principal to teaching, supervision, community activities, and the teaching profession, and (d) to present some of the outstanding problems in the administration and supervision of the elementary and secondary schools.

Topics: History and philosophy of the twelve-grade common school, training of the principal, leadership functions of the principal, office organization for business administration, classification of pupils, pupil progress and promotion, administration of buildings and grounds, adaptation of courses of study to individual needs, purchase of supplies and equipment, establishment and administration of libraries, supervision of teaching-learning, measuring the work of the twelve-grade school, problems of transportation, importance of maintaining friendly public relations, problems of articulation, and integration and unification, problems of athletics, extra curricular activities, and guidance.

Education 431. (Formerly Education 331.) History and Philosophy of Education. (3 hours.)

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization, (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage, and (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline educational influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 463. (Formerly Education 363.) Student Teaching. (5 or 3 hours.)

Prerequisites: Education 261, 263, or 364.

Purpose: The purpose of this course is (1) to develop the skills, techniques, and controls necessary to successful classroom teaching, and (2) to acquaint the student teacher with modern devices, materials, and methods of teaching.

Topics: The student teacher observes the activities of the classroom, studies the children and the subject matter he intends to teach. Lesson plans are made under the direction of the critic teacher and directions are given by the critic teacher for the performance of routine duties. Student teachers meet the training teacher under whom they work for one hour of conference period daily.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Dr. Farris
Mr. Carter
Mr. Hembree

Miss Hood
Miss Hughes
Mr. Hughes
Miss White

Mr. McDonough
Mr. Portwood
Mr. Samuels

Health

Dr. Farris
Mr. Carter

Mr. Hembree
Miss Hood
Miss Hughes

Mr. McDonough
Miss White

Health 100. Personal Hygiene. (2 hours.) Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. Public Hygiene. (3 hours.)

Purpose: To study the fundamental principles of public hygiene and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Micro-organisms in relation to sanitation, personal and public hygiene, food protection and preservation, the protection of the water and milk supply, immunization and control of communicable diseases, home and school sanitation; social and economic aspects of health problems, health administration, function and authority of health officers, etc.

Health 202. First Aid to the Injured. (1 hour.) Fee, 50c.

Purpose: To prepare the prospective teacher, by demonstration and practice, to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.) (2 hours.)

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Applied Bacteriology. (5 hours.) Laboratory fee, \$4.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique, sterilization, preparation of culture media, isolation and identification of bacteria, efficiency of disinfectants and control of communicable diseases, and determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. Microbiology of Foods. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation, food poisoning, food preservation, canning, pickling, and use of chemicals in food preservation.

Health 362. Individual Gymnastics. (2 hours.) Fee, 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. (2 hours.)

Purpose: A presentation of the general principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and observed.

Topics: General objectives of the health program, health set-ups and practices, and materials suitable for primary and intermediate grades.

Health 460. Health Protection and Instruction in the Secondary School. (2 hours.)

Purpose: A course designed to acquaint the student with existing practices in Health Education.

Topics: Principles, organization and administration of the school health program, and the presentation of materials suitable for use in the junior and senior high schools.

Physical Education

Mr. McDonough
Mr. Hembree

Miss Hood
Miss Hughes

Mr. Hughes
Mr. Portwood
Mr. Samuels

Physical Education 110. Fundamental Physical Education Activities. (1 hour.) Fee, 50c.

Purpose: To cultivate in the individual a desirable attitude toward play in relation to the proper use of leisure time, and to teach activities which will be of value to the teacher in the primary and intermediate grades.

Activities: Section A. Plays, games and story plays.
Section B. (Women) Folk games and rhythms.
(Men) Team games—fundamental skills and tests.

Physical Education 200. Fundamental Physical Education Activities. (1 hour.) Fee, 50c.

Purpose: To cultivate in the student a desirable attitude toward play in relation to the proper use of leisure time.

Activities: Section C. Swimming.
Section D. (Women) Team games—fundamental sport and self-testing activities.
(Men) Self-testing activities—combative activities or rhythms.

Physical Education 250. Scouting and Clubcraft. (3 hours.) (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft is emphasized; scoutmasters' certificate is awarded to all completing the course.

Physical Education 251. Clubcraft. (3 hours.) (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 260. Coaching Football and Basketball. (2 hours.) (Men.) Fee, 50c. (Football, first nine weeks; basketball, second nine weeks.)

Purpose: A course offered to give players and prospective coaches a practical and theoretical background.

Topics and Activities: General principles, systems, rules, and officiating equipment and schedules.

Physical Education 265. Coaching Spring Sports. (2 hours.) (Men.) Fee, 50c. (Track and Field, first nine weeks; baseball, second nine weeks.)

Purpose: A course designed to give players and prospective coaches, a practical and theoretical background.

Topics and Activities: General principles, coaching hints, training methods, organization of field days, equipment, and schedules.

Physical Education 275. Clog and Character Dancing. (1 hour.) Fee, 50c.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Stunts, athletic dancing; folk, character and clog steps.

Physical Education 276. (New.) Advanced Clogging. (1 hour.) Fee, 50c.

Prerequisite: Physical Education 275.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Advanced clogs and athletic dances.

Physical Education 300. Folk and National Dancing. (1 hour.) Fee, 50c.

Purpose: To acquaint the student with representative folk and national dances.

Topics: American and English country dances, Morris and sword dances, and other national dances.

Physical Education 366. (Formerly Physical Education 266.) Materials and Methods for Teaching Physical Education. (2 hours.)

Purpose: A course designed for the classroom teacher and for playground leaders.

Topics: Theories of play, study of existing play programs, correlation with other subjects, achievement standards and tests, games skills, lesson planning and observation, and a review of materials and activities suitable for the primary and intermediate grades.

Physical Education 367. (Formerly Physical Education 267.) Physical Training Activities. (2 hours.) Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics, dancing, free exercise, hand apparatus, mime-tics and games, and stunts.

Physical Education 368. (Formerly Physical Education 268.) Advanced Physical Training Activities. (2 hours.) Fee, 50c.

Prerequisite: Physical Education 367.

Purpose: Continuation of Physical Education 367.

Topics: Advanced tactics, drills for demonstration, natural exercises, pyramid building, games, opportunity for leadership and observation.

Physical Education 463. (Formerly Physical Education 363.) History and Principles of Physical Education. (3 hours.)

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education, sources and data of principles, aims and objectives, psychology of Physical Education, and standards and tests.

Physical Education 468. (Formerly Physical Education 368.) Administration and Organization of Physical Education. (2 hours.)

Prerequisites: Physical Education 366, 367, 368.

Purpose: This course is designed for minors and majors in health and physical education, and deals with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems; grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark

Miss Buchanan

Mrs. Murbach

Mrs. Barnhill

Mr. Keene

Miss Rush

English

Mr. Clark

Miss Buchanan

Mr. Keene

Mrs. Barnhill

English 101. Oral and Written Composition. (3 hours.)

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (3 hours.)

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. (3 hours.)

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to give some training in managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc.; kinds and methods of journalistic writing and practice in each; headlines; make-up; copy, proof reading; organization of staff.

English 211. English Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selecting of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo-Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucers England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature; English poetics.

English 212. English Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries, and with the movements influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period, characteristics, influences, writers, literature as to form, method, and content; mid and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to leading forms, methods, and content; values in literature; English poetics.

English 213. American Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism; disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied; values and elements of appeal for the upper grades and high school.

English 231. Public Speaking. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To pursue a somewhat systematic study of children's literature in order that the primary teacher may know and appreciate the best in this particular field.

To give the student a rich background from a rather wide reading of children's books in order that she may be capable of guiding children's reading.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics: Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, and children's poetry. Picture books and modern illustrators of children's books will also be studied. Methods of teaching literature in the primary grades are incidentally touched upon.

English 264. Story Telling. (2 hours.)

Prerequisite: English 261.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the

story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 266. Literature for the Intermediate Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To offer the students opportunity for making a wide acquaintance with books for children of the intermediate grades so that they may share more fully with the children the pleasures of good reading.

Topics: This course includes extensive reading of the following types of children's literature: myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. The study will be sufficiently detailed to give a good basis for the appreciation, selection, and presentation of the best and most suitable material for the intermediate grades.

English 301. Advanced Composition. (3 hours.) Required of juniors and seniors who have less than six hours of freshman English, and of English majors and first minors.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 305. (Formerly English 205.) Argumentation. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument; fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 311. Shakespeare. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's English and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 314. The Novel. (3 hours.) Alternates with English 316.

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 315. (Formerly English 215.) Nineteenth Century Essayists. (2 hours.) Alternates with English 412.

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; and analysis of the prose style of some of the essayists; oral and written reports.

English 316. (Formerly English 216.) The Short Story. (2 hours.) Alternates with English 314.

Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topics: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high school.

English 317. (Formerly English 217.) Contemporary Literature. (2 hours.)

Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 321. Romantic and Victorian Poets. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic Movement and present the various elements that compose it; to familiarize the student with the main characteristics of Victorianism as revealed in its leading poets; to help the student interpret the spirit of these periods through their poetry.

Topics: The rise of Romanticism; Wordsworth and Coleridge; Scott and Southey and Byron; Shelley and Keats; social, religious, industrial and intellectual unrest; the Oxford Movement; the Pre-Raphaelite Brotherhood; Tennyson; the Brownings; Arnold and religious unrest; Swineburne, Morris, and the Rossettis.

English 362. (Formerly English 262.) Play Production. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To prepare the student to produce plays in school and community organizations.

Topics: Organization and duties of the producing staff; costuming and make-up; theory of scenery construction; use of color on stage; lighting equipment; choosing plays and casts; rehearsing; collateral reading in the theory of play coaching and in plays suitable for amateur production. Wherever possible, practical work in public presentations will be afforded.

English 412. (Formerly 312.) Contemporary Drama. (3 hours.) Alternates with English 315.

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 413. (Formerly English 313.) World Literature. (3 hours.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and sage, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 423. (Formerly English 323.) Milton. (2 hours.) Alternates with English 424.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*.

English 424. (Formerly English 324.) Medieval Story. (2 hours.) Alternates with English 423.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; social and moral ideals which they reveal.

English 435. (Formerly English 335.) Interpretative Reading. (3 hours.)

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 441. (Formerly English 341). History of the English Language. (2 hours.)

Prerequisites: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 461. (Formerly English 361.) Kentucky Literature (2 hours.)

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings; antebellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

French

Mrs. Murbach

French 101. (Formerly French 151.) Elementary French. (3 hours.)

Purposes: To begin the study of the structure of one of the great living languages and to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: Phonetics, pronunciation, vocabulary, parts of speech, sentence structure, conversation in French on material studied in a reader.

French 102. (Formerly French 152.) Elementary French. (3 hours.)

Prerequisite: French 101 or one unit of high school French.

Purpose: To continue the study begun in French 101.

Topics: Continuation of the study of grammar begun in French 101, two hundred pages of reading material serving as basis for oral work.

French 201. (Formerly French 251.) Intermediate French. (3 hours.)

Prerequisites: French 101 and 102 or two units of high school French.

Purpose: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: Grammar review, short history of French literature, and translation of news items in a French newspaper.

French 202. (Formerly French 252.) Intermediate French. (3 hours.)

Prerequisite: French 201 or three units of high school French.

Purpose: To continue the study begun in French 201.

Topics: Grammar review, French newspaper, and three French classics.

French 203. (Formerly Foreign Language 253.) French Civilization. (2 hours.)

Purpose: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved. It is conducted entirely in English.

Topics: Lectures and assigned readings on French history, politics, art, literature and music.

French 301. (Formerly French 254.) French Prose Classics. (3 hours.)

Prerequisite: Two years of college French or the equivalent.

Purposes: To develop power to read French rapidly, to increase facility in the use of spoken French, and to add to the student's knowledge of French literature.

Topics: "Intensive" reading of a number of French prose classics with emphasis on the language structure, and "extensive" reading of works by representative prose writers from the Middle Ages to the nineteenth century.

French 302. (Formerly French 255.) French Prose Classics. (3 hours.)

Prerequisite: French 301 or its equivalent.

Purpose: To continue the study begun in French 301.

Topics: Study of selected prose works of the nineteenth and twentieth centuries.

French 401. French Drama and Poetry. (3 hours.)

(Not offered in 1934-35.)

Prerequisite: Two years of college French or its equivalent.

Purposes: To follow the rich stream of French drama and poetry from the Middle Ages to the nineteenth century, and to develop the student's capacity to express his opinions in French on the works which he is studying.

Topics: The medieval period, the Renaissance, the Golden Age, the critical eighteenth century.

French 402. French Drama and Poetry. (3 hours.)

Not offered in 1934-35.)

Prerequisite: French 401, or its equivalent.

Purpose: To continue the study begun in French 401.

Topics: Romanticism, realism, the Parnassus school, symbolism, and contemporary tendencies in poetry and drama.

Latin

Miss Rush

Latin 115. Elementary Latin. (3 hours.)

Not open to students who presented Latin for college entrance.

Purpose: This course is organized to meet the need of those students who have had no Latin in high school and wish to begin the study of it in college that they may acquaint themselves with the mechanics of Latin to: (a) satisfy the language requirement for (1) a degree, (2) a major in English, (3) a major in Foreign Language; (b) satisfy pre-medical or other pre-professional requirements; (c) begin a study of the language for its general cultural value.

Topics: (a) Pronunciation; declension of nouns, adjectives and pronouns; indicative and infinitives of all conjugations with the simple uses of the subjunctive; (b) acquisition of the fundamental principles of the language and the ability to read simple Latin prose dealing with Roman home life, mythology and Roman history.

Latin 116. Elementary Latin. (3 hours.)

Purpose: This course is a continuation of Latin 101.

Prerequisite: One unit of high school Latin or Latin 101.

Topics: (a) Selections read in Latin are from Caesar and a wide range of authors of equal difficulties, with a continued emphasis

on mastery of vocabulary, inflection, syntax, and their application to English; (b) collateral reading on Roman history and society; (c) training in the understanding of Latin in the Latin order.

Latin 205. Elementary Latin. (The Aeneid of Vergil.) (3 hours.)

Prerequisites: Open to students presenting two or three units of Latin for entrance or to those who have completed Latin 101 and 102.

Purposes: (a) To introduce the student to Latin poetry; (b) to give continued practice in the reading and translation of Latin; (c) to develop an appreciation for Vergil's place in Latin literature; the Aeneid, its story, its dramatic setting and background; its influence on later, and especially, English literature; its historical and mythological references.

Topics: (a) Selections from the twelve books of the Aeneid of Vergil; (b) selections from other works of Vergil for comparative study; (c) study of Augustan age; (d) study of metrical form and structure of the poem, scansion and reading of dactylic hexameter; (d) study of some of allusions in English literature to Vergil's Aeneid; along with this work, there is a thorough grounding of the student in the inflections and constructions of Latin.

Latin 301. (Formerly Latin 104.) Selections from Livy. (3 hours.)

Prerequisite: Three units of high school Latin or the equivalent.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Mommson, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 302. (Formerly Latin 108.) Selections from Horace. (3 hours.)

Prerequisite: Three units of high school Latin, or the equivalent.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in Latin 301 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study

of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Latin 401. (Formerly Latin 201.) Latin Prose of the Silver Age. (3 hours.)

Prerequisite: Latin 304, or the equivalent.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus' *Agricola*; (c) selected readings from other representative writers.

Latin 402. (Formerly Latin 202.) Satire and Epigram. (3 hours.)

Prerequisite: Latin 304 or the equivalent.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of satire in Latin literature with assignments from Horace; (d) study of satire in English; (e) study of epigram as a literary expression.

Latin 403. (Formerly Latin 203.) Latin Literature of the Early Empire. (3 hours.)

Prerequisite: Latin 304, or the equivalent.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Caldwell

Mr. Engle

Miss Derrick

Mathematics 107. College Algebra. (3 hours.)

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. (3 hours.)

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 160. 'Teachers' Arithmetic. (3 hours.)

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 207. (Formerly Mathematics 108.) College Algebra. (2 hours.)

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of complex numbers, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 232. Analytic Geometry. (5 hours.)

Prerequisites: Mathematics 107 and 113.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 321. (Formerly Mathematics 221.) General Astronomy. (3 hours.)

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 341. (Formerly Mathematics 241.) Elementary Statistical Methods. (2 hours.)

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of the graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, theory of probability, and graphic methods.

Mathematics 351. (Formerly Mathematics 251.) Differential Calculus. (5 hours.)

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical applications of differential calculus.

Topics: Theory of limits, differentiation, simple application of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 352. Integral Calculus. (3 hours.)

Prerequisite: Mathematics 351.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Content: This course includes a study of integrations, definite integrals, integration of rational fractions, reduction formulas and successive integration.

Mathematics 407. (Formerly Mathematics 307.) Theory of Equations. (3 hours.)

Prerequisites: Mathematics 107, 113, 207.

Purpose: To acquaint the student with theory of algebraic equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 453. (Formerly Mathematics 353.) Differential Equations. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 467. (Formerly Mathematics 367.) Teaching of High School Mathematics. (3 hours.)

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purposes: (a) To give instruction in the aims and importance of high school mathematics; (b) to give the student a knowledge of the development of mathematics and its place in the secondary school; (c) to give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

DIVISION OF SOCIAL SCIENCES

Mr. Keith
Mr. Adams
Mr. Burns

Mr. Dorris
Miss Floyd
Mr. Kennamer

Miss McKinney
Mr. Moore

Economics

Mr. Moore

Economics 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance by the principal European nations.

Economics 230. (Formerly Economics 125.) Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Economics 231. Principles of Economics. (3 hours.)

Prerequisite: Economics 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation

and ownership, financing the government, the revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Economics 310. (Formerly Economics 210 and 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: The history from the beginning to the present of the development in the United States of commerce, industry, transportation, banking, labor problems, business organization, monetary problems and agriculture.

Economics 324. (Formerly Economics 224.) Money and Banking. (3 hours.)

Prerequisite: Economics 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Economics 430. (Formerly Economics 330.) Public Finance. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, and taxation—its meaning and development, some of the requisites of a sound system, the distribution of the tax burden, means of escape from taxation, the general property tax, modified property tax, taxes on corporations, consumption and other excise taxes, taxes on incomes, and estate and inheritance taxes.

Geography

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours.) Fee, \$1.00.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the continents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 202. Climatology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 221. (Formerly Geography 121.) Economic Geography of the Industries. (3 hours.)

Purpose: (a) To give the student a view of the business field, (b) to acquaint the student with the major industries of the world and the principal factors influencing domestic and international trade, (c) to give the student a background for study in international relations and world problems.

Topics: The more important agricultural products, cereals, starch foods, forage crops, vegetable crops, fruit crops, wine industries, sugar, vegetable oils, condiments and tobacco, vegetable fibers, non-food vegetables; the animal food stuffs, animal fibers, furs, skins; the mining industries; manufactures; aluminum, automobile, copper, chemicals, textiles, leather, iron and steel, paint, petroleum, rubber,

etc.; trade routes, inland in North America and international trade routes; world trade centers.

Geography 271. Geography of North America. (3 hours.)

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 301. (Formerly Geography 201.) Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present-day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin major physiographic features, their origin and influence on man.

Geography 305. (Formerly Geography 205.) Economic and Historical Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits; evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 372. (Formerly Geography 272.) Geography of Europe. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 373. (Formerly Geography 273.) Geography of Latin America. (3 hours.)

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and physiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 374. (Formerly Geography 274.) Geography of Asia. (3 hours.)

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the exploration and exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—the threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 448. (Formerly Geography 348.) Historical Geography. (3 hours.)

Prerequisites: Six hours of history and six hours of geography.

Purpose: To show the underlying geographic factors in ancient and modern civilization.

Topics: (1) Geographic influences in ancient Egyptian, Mesopotamian, Greek and Roman civilizations, (2) the geography of Europe in the development of the nations of medieval and modern Europe, (3) the geographic background of the culture of the Aztecs, Incas, and North American Indians, (4) the historical geography of the United States, the expansion of the American people, American expansion in the Pacific, the Gulf and Caribbean regions, immigration, growth of cities, geography and the future of the United States.

Geography 461. (Formerly Geography 261 and 361.) Materials and Problems in the Teaching of Geography. (2 hours.)

Prerequisite: Six hours of geography.

Purpose: (a) To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 471. (Formerly Geography 371.) Geography of World Problems. (3 hours.)

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 474. (Formerly Geography 374.) Geography and Geology of Kentucky. (2 hours.) Fee, \$1.00.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic

environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky cultural features of Kentucky—government, education; Kentucky of the future.

Geography 477. (Formerly Geography 377.) Conservation of Natural Resources. (3 hours.)

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminum, silver, uranium and radium; the human resources; agricultural losses.

Government

Mr. Keith

Mr. Burns

Mr. Dorris

Government 111. American Government and Citizenship. (3 hours.)

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, state and national government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organization of government and its just function.

Government 311. Problems of American Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To teach problems of government; to give the student some idea of the evils consequent to government, with ideals of correct government.

Topics: Problems connected with municipal, state, and national government; newer modes in organization and operation of government; problems connected with the franchise; various franchises in municipalities and contracts of state and nation; problems of incidence, levy and collection of taxes and appropriation of moneys.

Government 351. English Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of these nations.

Topics: The rise of governmental institutions of England, and her influence among the nations, kingship, parliament, cabinet, ministry, privy council, and the Swiss system of government and her democracy.

Government 452. (Formerly Government 352.) Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the political systems and political writings concerning, France, Italy, Germany and Russia, and possibly with some of the newer governments, where time permits.

Topics: Such topics as naturally arise in the study of these governments.

History

Mr. Keith
Mr. Adams

Mr. Burns

Mr. Dorris
Miss Floyd

History 102. American History. (3 hours.)

Purpose: This is a survey course in American history, designed to familiarize the student with the general content from the discovery to the time of Andrew Jackson. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation: the War of 1812; the beginning of the slavery controversy leading to final disruption.

History 103. American History. (3 hours.)

Purpose: This is a survey course designed to acquaint the student with the general content of American history from the time of Andrew Jackson to the present. Some effort is made to present the subject matter with the best methods of teaching and the literature of the course in mind.

Topics: The slavery contest to the climax in the Civil War, then the story of the negro to the present; the tariff question and its bearing on sectionalism; mechanical inventions; foreign wars; banking and currency; industrialism, and the rise of "Big Business."

History 240. (Formerly History 141.) History of Medieval Europe. (3 hours.)

Purpose: To familiarize the student with the general content of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period covered.

Topics: The migration of the tribes, the rise of nationalities, the medieval church, Crusades, the feudal system, and the Hundred Years' War.

History 241. European History from 1500 to 1715. (3 hours.)

Purpose: This course continues the survey of European History. The general content of history and literature of the period is studied.

Topics: The Reformation and the religious wars; international rivalries and dynastic wars for aggrandizement; the rise of other nations; social, economic and industrial history; beginnings of liberalism; the development of political, educational and economic institutions.

History 242. English History to the Stuarts. (3 hours.)

Purpose: To give the student a general view of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon, advance toward nationality, the Norman invasion, English feudalism, the Hundred Years' War, legal and political development, the Wars of the Roses and the fall of Feudalism, and the Tudor monarchy.

History 300. Recent and Current World History. (3 hours.)

Purpose: The purpose of this course will be to consider the recent and current history of the leading nations of the world. An attempt will be made to read the newest books and periodicals on the subject.

Topics: Economic, industrial, political, religious affairs of the nations considered.

History 301. American History. (2 hours.)

Prerequisite: History 102 or History 103.

Purpose: This course is designed to bring the study of America up through the World War.

Topics: Reconstruction after the Civil War, organized "Big Business," commerce, expansion, imperialism, tariff, foreign relations, current politics.

History 305. History of the American West, 1763 to 1890. (3 hours.)

Prerequisite: History 102 or History 103.

Purpose: To show the relation of the development of the West to American History.

Topics: Advancement of the American frontier, Indian Wars, Irrigation, political relations of the West to the nation, development of democracy, education, territorial acquisitions.

History 306. History of the American South. (3 hours.)

Prerequisite: History 102 or History 103.

Purpose: This course attempts to acquaint the student with the historical literature and the history of the South in its relation to the Union.

Topics: Settlement, peoples, religion, government, education, social and economic conditions, relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 341. English History from 1603 to 1714. (2 hours.)

Prerequisite: History 242.

Purpose: To study the Puritan and the English revolutions and to give the English background of American History, together with some attention to historical literature of the period covered.

Topics: The Divine Right of James I and Charles I, religious and financial struggles of the time, parliamentary resistance to the first two Stuarts, the "Roundhead" Rebellion, and Charles II and James II and the English Revolution.

History 442. (Formerly History 342.) English History from 1714 to the present. (3 hours.)

Prerequisite: History 242.

Purpose: This course is sequential to History 242 and 341 and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty, the struggle for empire, development of British Imperialism, parliamentary reforms of the nineteenth century, influence of political parties, England's place in the "Parliament of Men."

History 444. (Formerly History 344.) European History from 1715 to 1815. (2 hours.)

Prerequisite: History 241.

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The Industrial Revolution among the nations, wars partly consequent upon that revolution, rising imperialism among the nations, the French Revolution, and reconstruction of the continent of Europe.

History 445. (Formerly History 345.) European History from 1815 to the present. (3 hours.)

Prerequisite: History 240 or 241.

Purpose: The purpose of this course is an intensive study of this period of European History and its literature.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of Socialism—Karl Marx; wars of the century; the merging of the Germanic body into the German Empire; the rise of modern Italy; the struggle for naval, industrial, and economic mastery and the deluge of the World War; the aftermath of the war.

History 446. (Formerly History 346.) Latin-American History. (2 hours.)

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: History and government of the nations involved.

History 461. (Formerly History 361.) Kentucky History. (2 hours.)

Purpose: To make a general study of Kentucky history, and to attempt to show the student the wealth of material for the study of the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky; occasional excursions to places of historic interest will probably be taken.

Sociology

Mr. Keith

Mr. Burns

Sociology 231. Introduction to Sociology. (3 hours.)

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other social science courses; relation of living conditions to life; the problem of finding and using leaders; social achievements; man's relation to his institutions and his responsibility for them; the family, religion and morals.

EXPERIMENTAL CURRICULA

The teachers college has a dual function. Its curriculum must provide for the development of both scholarship and professional training. Both of these objectives are to be kept constantly before the faculty and students. The curriculum of the teachers college is somewhat akin to that of the liberal arts college in that it should provide for a rich culture. It is similar to the curriculum of the vocational school since professional skills are to be developed. These purposes are not antagonistic but they are concomitant.

We have assumed in planning these curricula that specific preparation should be made for each of the teaching fields. An effort has been made to avoid a too narrow specialization. It is believed that a much better product will result from this arrangement than can be secured from curricula based on group requirements, or from the free elective system.

It is hoped that these experimental curricula will supplement our program in student guidance. A student should be able to consult this bulletin and plan his teaching career more intelligently than he would under a system that would permit him to offer four years of indiscriminate credit for a degree without very definite preparation for any teaching position.

These curricula are in no sense final. They are what the title signifies—experimental. They have been used during the past three years, during which time they have been tested and revised. It is recognized that they possess many shortcomings as they stand, but they do represent a beginning. They will be altered and amended as experience furnishes evidence of needed changes.

The following guiding principles have controlled our thinking in their preparation:

- (1) Each curriculum includes courses to give adequate instruction in and preparation for a specific teaching position.
- (2) Each curriculum includes a group of professional courses designed to develop adequate professional skill.
- (3) Each curriculum includes a group of informational and cultural courses representing the fields of English, Mathematics, Science, and Social Science.
- (4) Ample provision is made in each curriculum to take care of the individual choices of students in order that their work may be planned to suit their own interests and preferences.
- (5) Each curriculum includes a group of physical education courses designed to promote the health and recreational needs of the students.

REQUIREMENTS FOR DEGREES

The Bachelor's degree is issued upon a minimum of one hundred and twenty-eight semester hours of college credit. A maximum of thirty-two hours of the work required for a degree may be earned by extension and correspondence. A candidate for a degree must have been in residence in this institution a minimum of thirty-six weeks, at least eighteen of which must have been in the senior year, and must have earned a minimum of thirty-two hours while in residence.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR PROFESSIONAL DEGREES

Education	18 hours
English	12 hours
History, Government, Sociology	12 hours
Science	12 hours
Mathematics	7 hours

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL DEGREES

Bachelor of Arts

English	18 hours
History, Government, Sociology	18 hours
Science	12 hours
Mathematics (Not including teachers' arithmetic).....	7 hours
*Foreign Language	6 to 18 hours

Bachelor of Science Degree

English	18 hours
History, Government, Sociology	12 hours
Science	60 hours
Mathematics (Not including teachers' arithmetic).....	12 hours
*Foreign Language	6 to 18 hours

*In meeting the Foreign Language requirement for this degree only credit in translation courses will be counted. The minimum amount of a Foreign Language which may be offered to meet this requirement shall be as follows:

Six semester hours provided three units of the same language are presented for college entrance.

Twelve semester hours provided two units of the same language are presented for college entrance.

Eighteen semester hours if less than two units of the same language are presented for college entrance.

In case a student offers for entrance more than three units of high school credit in a Foreign Language, the minimum amount of credit of college level which must be done in the same Foreign Language for meeting the requirements for the Bachelor of Arts degree and the Bachelor of Science degree shall be six semester hours.

In addition to fulfilling the minimum departmental requirements for the non-professional degree of Bachelor of Arts or Bachelor of Science, the candidate must offer a major of at least 24 semester hours, a first minor of at least 18 semester hours, and a second minor of at least 12 semester hours plus elective work to make a minimum of 128 semester hours.

COURSE REQUIREMENTS AT THE DIFFERENT LEVELS OF INSTRUCTION

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 are primarily for freshmen.

Courses numbered 200 to 299 inclusive are primarily for sophomores.

Courses numbered 300 to 399 inclusive are primarily for juniors.

Courses numbered 400 to 499 inclusive are primarily for seniors.

A minimum of forty per cent of the semester hours of credit offered in fulfillment of the requirements for the bachelor's degree must be of senior college level.

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. Adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all high school teachers must teach two or more subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

Major	Suggested Minors
Art	Music, Elementary Education, English
Commerce	History, Geography, Mathematics
Elementary Education	Music, Art, Geography, English, History
English	French, Latin, History, Geography
Foreign Language	English, History

Major	Suggested Minors
Geography and Geology	History, Science, Commerce, Agriculture
Health and Physical Education	Mathematics, Chemistry, Biology
History	English, Economics, Geography, Latin, French
Home Economics	Art, English, Social Science, Health, Science
Industrial Arts	Mathematics, Physical Education, Physics, Chemistry
Mathematics	Physics, Chemistry, Physical Education
Music	Art, English, History
Science	Mathematics, Physical Education

MAJOR AND MINOR REQUIREMENTS

PRESCRIBED BY THE NORMAL EXECUTIVE COUNCIL

Major: Minimum 24 semester hours.

First Minor: Minimum 18 semester hours.

Second Minor: Minimum 12 semester hours.

APPLICATION FOR DEGREE

Candidates for degrees must make official application at least thirty days before commencement day. This application is made by going to the Business Office, paying the regular fee, presenting receipt for this fee at the Registrar's Office, and filling out the official application form.

REQUIREMENTS FOR CERTIFICATES

The new school code provides that certificates shall be issued by the State Department of Education. The requirements for the certificates will not be changed until September 1, 1935. Until that time the requirements for the various certificates will be as follows:

COLLEGE ELEMENTARY CERTIFICATE

Freshman English	6 hours
Classroom Management	3 hours
Teaching the Common School Branches	3 hours
Teachers' Arithmetic	3 hours
American History	3 hours
Principles of Geography	3 hours
Public School Art or Public School Music	2 hours
Health, Agriculture or Science	2 to 5 hours
Elective	7 to 4 hours

All of the above work must be earned in residence.

STANDARD CERTIFICATE

The following is a statement of the minimum requirements for the Standard Certificate:

Public School Art	2 hours
Educational Psychology	3 hours
Classroom Management	3 hours
Teaching the Common School Branches	3 hours
Student Teaching	3 hours
Freshman English	6 hours
English or American Literature	3 hours
Children's Literature	3 hours
Principles of Geography	3 hours
Health	2 hours
American History	3 hours
American Government and Citizenship	3 hours
Teachers' Arithmetic	3 hours
Public School Music	2 hours
Science	5 hours
Elective	17 hours

A maximum of sixteen hours of the above work may be earned by correspondence.

RENEWAL AND EXTENSION OF CERTIFICATES

The college elementary certificate issued on thirty-two hours may be renewed upon the completion of sixteen additional hours, at least eight of which must be earned in residence. The remaining eight hours may be earned by correspondence, extension or in residence. The work for the renewal shall be selected from the required courses for the standard certificate.

The standard certificate may be renewed upon the completion of sixteen additional hours, at least twelve of which must be earned in residence. The standard certificate issued by the teachers colleges may be extended for life within eight years from the date of issuance, provided the holder submits the certificate together with evidence showing that she has taught successfully three years during the life of the certificate. A maximum of two years of college attendance may be offered in lieu of the teaching experience. The holders of the college certificate, issued by the teachers college, may have the certificates extended for life by presenting the certificate and evidence of having taught successfully three years during the life of the certificate.

CURRICULUM FOR MAJOR IN ART**FIRST YEAR****First Semester**

Art 117—Elementary Drawing and Design.....	4 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102—American History.....	3 hrs.
Library Science 166—Library Methods	1 hr.
Science 110—Introduction to Science.....	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	<hr/>
	15 hrs.

Second Seemster

Art 161—Public School Art.....	2 hrs.
English 102—Oral and Written Composition.....	3 hrs.
History 103—American History	3 hrs.
Mathematics 107—College Algebra.....	3 hrs.
Science 111—Introduction to Science.....	3 hrs.
Elective	2 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	<hr/>
	17 hrs.

SECOND YEAR**First Semester**

Art 215—Color Theory	1 hr.
Art 200—Appreciation of Art.....	2 hrs.
Biology 121—General Biology.....	4 hrs.
Education 111—Educational Psychology.....	3 hrs.
English 211 or English 212—English Literature.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
	<hr/>
	17 hrs.

Second Semester

Art 217—Lettering and Poster Design.....	2 hrs.
Art 222—Interior Decoration.....	2 hrs.
English 213—American Literature.....	3 hrs.
History 240—History of Medieval Europe.....	3 hrs.
Mathematics (Elective).....	3 hrs.
Elective	2 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	<hr/>
	16 hrs.

THIRD YEAR**First Semester**

Art 315—Drawing, Painting, and Composition.....	3 hrs.
Art 355—Costume Design.....	2 hrs.
Art 372—Applied Design.....	3 hrs.
Education 313—Child Psychology.....	3 hrs.
History 241—European History from 1500 to 1715.....	3 hrs.
Elective	2 hrs.
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	16 hrs.

Second Semester

Art 316—Drawing and Modeling	2 hrs.
Art 361—Art Education in the Elementary and Secondary School	3 hrs.
Art 390—The History of Art.....	3 hrs.
Education 341—The Elementary School Curriculum.....	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	3 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Art 475—Commercial Art and Illustrations.....	3 hrs.
Education 261—Fundamentals in Early Elementary Education or Education 263—Fundamentals in Intermediate Education	4 hrs.
Science (Elective).....	3 hrs.
Elective	6 hrs.
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	16 hrs.

Second Semester

Art 476—Advanced Painting.....	3 hrs.
Education 463—Student Teaching.....	5 hrs.
Elective	8 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Elementary Education, English.

CURRICULUM FOR MAJOR IN COMMERCE**FIRST YEAR****First Semester**

Commerce 124—Economic History of Europe.....	3 hrs.
Commerce 151—Beginning Typewriting.....	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102 or History 103—American History.....	3 hrs.
Library Science 166—Library Methods	1 hr.
Science (Elective).....	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

Second Semester

Commerce 126—Business Arithmetic.....	2 hrs.
Commerce 152—Advanced Typewriting.....	3 hrs.
Education 111—Educational Psychology.....	3 hrs.
English 102—Oral and Written Composition.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	<hr/> 18 hrs.

SECOND YEAR**First Semester**

Commerce 215—Beginning Shorthand.....	5 hrs.
Commerce 219—Principles of Accountancy.....	4 hrs.
Commerce 230—Principles of Economics.....	3 hrs.
English 211 or English 212—English Literature.....	3 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
	<hr/> 16 hrs.

Second Semester

Commerce 216—Advanced Shorthand.....	3 hrs.
Commerce 220—Principles of Accountancy.....	2 hrs.
Commerce 231—Principles of Economics.....	3 hrs.
English 213—American Literature.....	3 hrs.
Science (Elective).....	4 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	<hr/> 16 hrs.

THIRD YEAR**First Semester**

Commerce 301—Business English.....	3 hrs.
Commerce 303—Secretarial Practice.....	3 hrs.
Commerce 322—Principles of Accountancy.....	3 hrs.
History 240—History of Medieval Europe.....	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	2 or 3 hrs.

 16 or 17 hrs.
Second Semester

Commerce 309—Business Organization.....	3 hrs.
Education 314—Psychology of Adolescence.....	3 hrs.
Education (Elective).....	3 hrs.
Mathematics 341—Elementary Statistical Methods.....	2 hrs.
Elective	5 hrs.

 16 hrs.
FOURTH YEAR**First Semester**

Commerce (Elective).....	3 hrs.
Education 364—Methods of Teaching in the Secondary Schools	4 hrs.
History (Elective).....	3 hrs.
Elective	6 hrs.

 16 hrs.
Second Semester

Commerce (Elective).....	3 hrs.
Education 463—Student Teaching.....	5 hrs.
Elective	8 hrs.

 16 hrs.
RESTRICTIONS ON ELECTIVE:

In addition to the courses specified in the above outline, courses elected must include a minimum of five hours of science.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR MAJOR IN ELEMENTARY EDUCATION

FIRST YEAR

First Semester

Art 161—Public School Art or

Music 160—Public School Music	2 hrs.
English 101—Oral and Written Composition.....	3 hrs.
Handwriting	0 hrs.
History 102—American History.....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Mathematics 160—Teachers Arithmetic.....	3 hrs.
Science 110—Introduction to Science.....	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.

Second Semester

	16 hrs.
Art 217—Lettering and Poster Design.....	2 hrs.
Education 111—Educational Psychology	3 hrs.
English 102—Oral and Written Composition.....	3 hrs.
History 103—American History.....	3 hrs.
Music 160—Public School Music or	
Art 161—Public School Art	2 hrs.
Science 111—Introduction to Science.....	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.

SECOND YEAR

17 hrs.

First Semester

Education 261—Fundamentals in Early Elementary Education or	
Education 263—Fundamentals in Intermediate Education	4 hrs.
English 163—Fundamentals of Speech.....	3 hrs.
Geography 101—Principles of Geography.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Health 101—Public Hygiene.....	3 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.

Second Semester

	17 hrs.
Biology 121—General Biology.....	4 hrs.
Education 265—Supervised Student Teaching.....	5 hrs.
English 213—American Literature.....	3 hrs.
English 261—Literature for Primary Grades or	
English 266—Literature for the Intermediate Grades.....	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	16 hrs.

THIRD YEAR**First Semester**

Art 200—Appreciation of Art.....	2 hrs.
Education 313—Child Psychology.....	3 hrs.
English 211—English Literature.....	3 hrs.
Geography 271—Geography of North America.....	3 hrs.
Elective	4 hrs.

15 hrs.
Second Semester

Education 354—Reading in the Elementary School.....	2 hrs.
English 212—English Literature.....	3 hrs.
Geography 372—Geography of Europe.....	3 hrs.
Music 201—Music Appreciation.....	3 hrs.
Elective	4 hrs.

15 hrs.
FOURTH YEAR**First Semester**

Education 341—The Elementary School Curriculum.....	3 hrs.
Geography 373—Geography of Latin America.....	3 hrs.
History 241—European History from 1500 to 1715.....	3 hrs.
Home Economics 306—Unit Course in Foods and Nutrition or Home Economics 307—Unit Course in Clothing.....	3 hrs.
Elective	4 hrs.

16 hrs.
Second Semester

Education 321—Educational Measurement.....	2 hrs.
Education 463—Student Teaching.....	3 hrs.
English 317—Contemporary Literature	2 hrs.
Geography 471—Geography of World Problems.....	3 hrs.
History 461—Kentucky History.....	2 hrs.
Elective	4 hrs.

16 hrs.
RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	4 hours
Science	2 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

CURRICULUM FOR MAJOR IN ENGLISH

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102 or History 103—American History.....	3 hrs.
Latin (Elective).....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Mathematics 107—College Algebra	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
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	17 hrs.

Second Semester

Biology 121—General Biology.....	4 hrs.
English 102—Oral and Written Composition.....	3 hrs.
English 163—Fundamentals of Speech.....	3 hrs.
Latin (Elective).....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
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	17 hrs.

SECOND YEAR

First Semester

English 211—English Literature.....	3 hrs.
English 201—Journalism or English 231—Public Speaking or English 265—Grammar for Teachers.....	2 or 3 hrs.
History 240—History of Medieval Europe.....	3 hrs.
Latin (Elective).....	3 hrs.
Science (Elective).....	4 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
<hr/>	
	16 or 17 hrs.

Second Semester

English 212—English Literature.....	3 hrs.
English 213—American Literature.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
History 242—English History to the Stuarts.....	3 hrs.
Latin (Elective).....	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
<hr/>	
	16 hrs.

THIRD YEAR

First Semester

Education 314—Psychology of Adolescence.....	3 hrs.
English 321—Romantic and Victorian Poets.....	3 hrs.
English 264—Story Telling (<i>not required</i>).....	2 hrs.
English 314—The Novel or <i>Short Story</i>	
English 316— Nineteenth Century Essayists	2 or 3 hrs.
French or Latin	3 hrs.
Elective	3 or 2 hrs.
	<hr/> 16 hrs.

Second Semester

Education 364—Methods of Teaching in the Secondary School	4 hrs.
English 311—Shakespeare.....	3 hrs.
English 301—Advanced Composition.....	3 hrs.
English 315—Nineteenth Century Essayists or	
English 317—Contemporary Literature or	
English 305—Argumentation.....	2 or 3 hrs.
French or Latin.....	3 hrs.
	<hr/> 15 or 16 hrs.

FOURTH YEAR

First Semester

Education 463—Student Teaching.....	5 hrs.
English 441—History of the English Language.....	2 hrs.
English 412—Contemporary Drama or	
English 362—Play Production or	
English 461—Kentucky Literature.....	2 or 3 hrs.
Elective	7 or 6 hrs.
	<hr/> 16 hrs.

Second Semester

Education (Elective).....	3 hrs.
English 413—World Literature.....	3 hrs.
English 423—Milton or	
English 424—Medieval Story or	
English 435—Interpretative Reading.....	2 hrs.
Elective	8 hrs.
	<hr/> 16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	4 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: French, Latin, History, Geography.

CURRICULUM FOR MAJOR IN FOREIGN LANGUAGE**FIRST YEAR****First Semester**

English 101—Oral and Written Composition.....	3 hrs.
French (Elective).....	3 hrs.
History 102—American History.....	3 hrs.
Latin (Elective).....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110a—Fundamental Physical Education	
Activities	1 hr.

 17 hrs.
Second Semester

English 102—Oral and Written Composition.....	3 hrs.
French (Elective).....	3 hrs.
History 103—American History.....	3 hrs.
Latin (Elective).....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Physical Education 110b—Fundamental Physical Education	
Activities	1 hr.

 16 hrs.
SECOND YEAR**First Semester**

English 211 or English 212—English Literature.....	3 hrs.
French (Elective).....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
History 240—History of Medieval Europe.....	3 hrs.
Latin (Elective)	3 hrs.
Physical Education 200c—Fundamental Physical Education	
Activities	1 hr.

 16 hrs.
Second Semester

Education 111—Educational Psychology.....	3 hrs.
English 213—American Literature.....	3 hrs.
French 203—French Civilization.....	2 hrs.
French (Elective).....	3 hrs.
History 242—English History to the Stuarts.....	3 hrs.
Elective	1 hr.
Physical Education 200d—Fundamental Physical Education	
Activities	1 hr.

 16 hrs.

THIRD YEAR

First Semester

Education 314—Psychology of Adolescence.....	3 hrs.
French (Elective).....	3 hrs.
Latin (Elective).....	3 hrs.
Mathematics 207—College Algebra.....	2 hrs.
Elective	5 hrs.
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16 hrs.	

Second Semester

French (Elective).....	3 hrs.
Latin (Elective).....	3 hrs.
Elective	10 hrs.
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16 hrs.	

FOURTH YEAR

First Semester

Education 364—Methods of Teaching in the Secondary School	4 hrs.
Education (Elective).....	3 hrs.
Elective	9 hrs.
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16 hrs.	

Second Semester

Education 463—Student Teaching.....	5 hrs.
Elective	11 hrs.
<hr/>	
16 hrs.	

In addition to the courses in the above outline, electives must include twelve hours of science.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History.

CURRICULUM FOR A MAJOR IN GEOGRAPHY AND GEOLOGY

FIRST YEAR

First Semester

Biology 121—General Biology.....	4 hrs.
Education 111—Educational Psychology.....	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102—American History.....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Elective	2 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
<hr/>	
	17 hrs.

Second Semester

Economics 124—Economic History of Europe.....	3 hrs.
English 102—Oral and Written Composition.....	3 hrs.
Geography 101—Principles of Geography.....	3 hrs.
History 103—American History.....	3 hrs.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
<hr/>	
	16 hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry.....	4 hrs.
English 211 or English 212—English Literature.....	3 hrs.
Geography 221—Economic Geography of Industries.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
<hr/>	
	17 hrs.

Second Semester

English 213—American Literature.....	3 hrs.
Geography 202—Climatology.....	3 hrs.
Geography (Elective).....	3 hrs.
Science (Elective).....	3 hrs.
Elective	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
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	16 hrs.

THIRD YEAR**First Semester**

Geology 301—Physical Geography and Geology.....	3 hrs.
Geography (Elective).....	3 hrs.
History (Elective).....	3 hrs.
Mathematics (Elective).....	2 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education 313—Child Psychology or Education 314—Psychology of Adolescence.....	3 hrs.
Education 341—Elementary School Curriculum.....	3 hrs.
Geography (Elective).....	6 hrs.
Elective	4 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or Education 364—Methods of Teaching in the Secondary School	4 hrs.
Geography 471—Geography of World Problems.....	3 hrs.
Geography (Elective)	3 hrs.
Elective	6 hrs.
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	16 hrs.

Second Semester

Education 463—Student Teaching.....	5 hrs.
Geography (Elective).....	4 hrs.
Elective	7 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Science, Commerce, Agriculture.

CURRICULUM FOR MAJOR IN HEALTH AND PHYSICAL EDUCATION

FIRST YEAR

First Semester

Education 111—Educational Psychology.....	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
Health 100—Personal Hygiene or	2 hrs.
Health 101—Public Hygiene	3 hrs.
History 102 or History 103—American History.....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	16 or 17 hrs.

Second Semester

Biology 121—General Biology.....	4 hrs.
English 102—Oral and Written Composition.....	3 hrs.
Health 100—Personal Hygiene or	2 hrs.
Health 101—Public Hygiene	3 hrs.
History 103 or History 102—American History.....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	16 or 17 hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry.....	4 hrs.
English 211 or English 212—English Literature.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Physical Education 275—Clog and Character Dancing.....	1 hr.
Physical Education 260—Coaching Football and Basketball....	2 hrs.
Elective	2 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
	16 hrs.

Second Semester

Chemistry 112—Inorganic Chemistry.....	5 hrs.
English 213—American Literature.....	3 hrs.
Health 202—First Aid to the Injured or	1 hr.
Health 231—Home Nursing	2 hrs.
Physical Education 265—Coaching Spring Sports.....	2 hrs.
Physical Education 250—Scouting or Physical Education 251—Clubcraft.....	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	15 or 16 hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy.....	4 hrs.
Education 314—Psychology of Adolescence.....	3 hrs.
Health 365—Materials and Methods for Teaching Health Education or Physical Education 366—Materials and Methods for Teaching Physical Education	2 hrs.
Mathematics 341—Elementary Statistics.....	2 hrs.
Physical Education 367—Physical Training Activities.....	2 hrs.
Elective	3 hrs.
	<hr/> 16 hrs.

Second Semester

Biology 481—Animal Physiology.....	4 hrs.
Education 263—Fundamentals in Intermediate Education or Education 364—Methods of Teaching in the Secondary Schools	4 hrs.
Health 365—Materials and Methods for Teaching Health Education or Physical Education 366—Materials and Methods for Teaching Physical Education	2 hrs.
Physical Education 368—Advanced Physical Training Activi- ties	2 hrs.
Elective	4 hrs.
	<hr/> 16 hrs.

FOURTH YEAR**First Semester**

Education 463—Student Teaching.....	5 hrs.
Health and Physical Education (Elective).....	3 hrs.
Social Science (Elective).....	3 hrs.
Elective	5 hrs.
	<hr/> 16 hrs.

Second Semester

Education (Elective)	3 hrs.
Health 460—Health Protection and Instruction in the Secondary Schools.....	2 hrs.
Physical Education 468—Administration and Organization of Physical Education.....	2 hrs.
Social Science (Elective).....	3 hrs.
Elective	6 hrs.
	<hr/> 16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN HISTORY**FIRST YEAR****First Semester**

Education 111—Educational Psychology.....	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
Geography 101—Principles of Geography.....	3 hrs.
History 102—American History.....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
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	17 hrs.

Second Semester

English 102—Oral and Written Composition.....	3 hrs.
History 103—American History.....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Science (Elective).....	4 hrs.
Elective	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
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	17 hrs.

SECOND YEAR**First Semester**

English 211 or English 212—English Literature.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
History 240—History of Medieval Europe or History 241—Modern History.....	3 hrs.
Mathematics (Elective).....	2 hrs.
Elective	4 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
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	16 hrs.

Second Semester

Economics 124—Economic History of Europe.....	3 hrs.
English 213—American Literature.....	3 hrs.
Sociology 231—Introduction to Sociology.....	3 hrs.
Elective	6 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
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	16 hrs.

THIRD YEAR

First Semester

Education 314—Psychology of Adolescence.....	3 hrs.
Geography 372—Geography of Europe.....	3 hrs.
History (Elective)*	3 to 6 hrs.
Elective	7 to 4 hrs.
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	16 hrs.

Second Semester

Education (Elective).....	3 hrs.
English 317—Contemporary Literature.....	3 hrs.
History (Elective)*	6 hrs.
Elective	4 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Education 364—Methods of Teaching in the Secondary School	4 hrs.
Geography 471—Geography of World Problems	3 hrs.
History (Elective)*	4 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education 463—Student Teaching	5 hrs.
History (Elective)*	3 hrs.
Science (Elective)	4 hrs.
Elective	4 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Economics, Latin, French, Geography.

* Courses must be elected with advice and consent of head of department.

CURRICULUM FOR A MAJOR IN VOCATIONAL HOME ECONOMICS

FIRST YEAR

First Semester

Biology 121—General Biology	4 hrs.
Education 121—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 101—Public Hygiene	3 hrs.
Home Economics 101—Textiles	2 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	17 hrs.

Second Semester

Art 117—Elementary Drawing and Design	4 hrs.
Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Home Economics 102—Source, Selection and Cost of Foods...	2 hrs.
Physics 102—Household Physics	3 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	17 hrs.

SECOND YEAR

First Semester

Chemistry 215—Organic Chemistry	5 hrs.
English 211 or English 212—English Literature	3 hrs.
Home Economics 203—Garment Making	3 hrs.
Home Economics 204—Nutrition and Food Preparation	3 hrs.
Home Economics 206—Dressmaking	2 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.

Second Semester

Economics 230—Principles of Economics	3 hrs.
English 213—American Literature	3 hrs.
Home Economics 205—Meal Planning, Preparation and Serving	3 hrs.
Home Economics 222—Interior Decoration	2 hrs.
Home Economics 231—Home Nursing	2 hrs.
Sociology 231—Introduction to Sociology	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	17 hrs.

THIRD YEAR**First Semester**

Chemistry 313—Bio-chemistry	5 hrs.
Education 364—Methods of Teaching in the Secondary School	4 hrs.
Health 303—Applied Bacteriology	5 hrs.
Home Economics 301—Household Equipment	2 hrs.
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	16 hrs.

Second Semester

Education 313—Child Psychology	3 hrs.
Health 304—Microbiology of Foods	5 hrs.
Home Economics 302—Advanced Cookery	3 hrs.
Home Economics 303—The Family	2 hrs.
Home Economics Education 304—Materials and Methods for Teaching Vocational Home Economics	3 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Art 372—Applied Design	3 hrs.
Biology 481—Animal Physiology	4 hrs.
Education 463—Student Teaching	5 hrs.
Home Economics 305—Tailoring	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Home Economics 355—Costume Design	2 hrs.
Home Economics 401—Dietetics	3 hrs.
Home Economics 402—Child Development	3 hrs.
Home Economics 403—Home Management	4 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

MINORS:

A first minor in science is provided for in the above curriculum. The following are suggested second minors: Art, English, Social Science, Health Science.

CURRICULUM FOR A MAJOR IN INDUSTRIAL ARTS**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	2 or 3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	<hr/> 16 or 17 hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
History 103—American History	3 hrs.
Industrial Arts 191—Elementary Mechanical Drawing	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

SECOND YEAR**First Semester**

Art 161—Public School Art	2 hrs.
English 211 or English 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Industrial Arts 141—Elementary Cabinet Making	3 hrs.
Industrial Arts 281—General Metal Working	2 hrs.
Elective	3 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

Second Semester

English 213—American Literature	3 hrs.
History (Elective)	3 hrs.
Industrial Arts 233—Industrial Arts Design	2 hrs.
Industrial Arts 242—Intermediate Cabinet Making and Wood Turning	2 hrs.
Science (Elective)	4 hrs.
Elective	2 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

THIRD YEAR**First Semester**

Education 314—Psychology of Adolescence	3 hrs.
Industrial Arts 343—Advanced Cabinet Making and Mill Work	2 hrs.
Industrial Arts 392—Elementary Machine Drawing	2 hrs.
Mathematics (Elective)	2 hrs.
Science (Elective)	4 hrs.
Elective	3 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Industrial Arts 394—Elementary Architectural Drawing	2 hrs.
Industrial Arts 361—Organization, Administration, and Supervision of Industrial Arts	2 hrs.
Elective	9 hrs.
<hr/>	
	16 hrs.

FOURTH YEAR**First Semester**

Education 364—Methods of Teaching in the Secondary School	4 hrs.
Industrial Arts 466—Teaching of Industrial Arts	2 hrs.
Elective	10 hrs.
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	16 hrs.

Second Semester

Education 463—Student Teaching	5 hrs.
Industrial Arts 401—Problems in Industrial Arts	1 or 2 hrs.
Industrial Arts (Elective)	3 or 2 hrs.
Elective	7 hrs.
<hr/>	
	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Science 8 hours.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education, Physics, Chemistry.

LIBERAL ARTS CURRICULUM

This curriculum leads to the degree of Bachelor of Arts or Bachelor of Science and does not fulfill the requirements for teachers' certificates. The applicant for the non-professional degree of Bachelor of Arts or Bachelor of Science must take his major and minors in the fields of arts and sciences. Education courses cannot be elected in this curriculum.

FIRST YEAR

First Semester

English 101—Oral and Written Composition	3 hrs.
History 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective*	3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.

17 hrs.

Second Semester

English 102—Oral and Written Composition.....	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
History 103—American History	3 hrs.
Mathematics (Elective)	2 hrs.
Science (Elective)	4 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.

16 hrs.

SECOND YEAR

First Semester

English 211 or English 212—English Literature	3 hrs.
History 240—History of Medieval Europe	3 hrs.
Science (Elective)	5 hrs.
Elective*	4 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.

16 hrs.

Second Semester

English 213—American Literature	3 hrs.
History 242—English History to the Stuarts	3 hrs.
Science (Elective)	5 hrs.
Elective*	4 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	<hr/>
	16 hrs.

THIRD YEAR**First Semester**

English (Elective)	3 hrs.
History (Elective)	3 hrs.
Elective*	10 hrs.
	<hr/>
	16 hrs.

Second Semester

English 301	3 hrs.
Elective*	13 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Elective*	16 hrs.
	<hr/>
	16 hrs.

Second Semester

Elective*	16 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. Use electives also for obtaining minimum departmental requirements.

*Electives must be chosen with the advice and consent of the major professor at the time of registration.

CURRICULUM FOR A MAJOR IN MATHEMATICS

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	2 or 3 hrs.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
16 or 17 hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
History 103—American History	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	6 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
16 hrs.	

SECOND YEAR

First Semester

English 211 or English 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 207—College Algebra	2 hrs.
Physics 201—Mechanics, Heat and Sound	5 hrs.
Elective	2 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
16 hrs.	

Second Semester

English 213—American Literature	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound and Light	5 hrs.
Elective	3 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
17 hrs.	

THIRD YEAR**First Semester**

Education 314—Psychology of Adolescence.....	3 hrs.
Mathematics 351—Differential Calculus.....	5 hrs.
Science	3 to 5 hrs.
Elective	5 to 3 hrs.
<hr/>	
	16 hrs.

Second Semester

Education (Elective).....	3 hrs.
Mathematics 352—Integral Calculus.....	3 hrs.
Elective	10 hrs.
<hr/>	
	16 hrs.

FOURTH YEAR**First Semester**

Education 364—Methods of Teaching in Secondary Schools.....	4 hrs.
History (Elective).....	3 hrs.
Mathematics 467—Teaching of High School Mathematics.....	3 hrs.
Mathematics (Elective).....	3 hrs.
Elective	3 hrs.
<hr/>	
	16 hrs.

Second Semester

Education 463—Student Teaching.....	5 hrs.
Mathematics (Elective).....	3 to 6 hrs.
Elective	8 to 5 hrs.
<hr/>	
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Chemistry, Physical Education.

CURRICULUM FOR A MAJOR IN MUSIC

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102 or History 103—American History.....	3 hrs.
Library Science 166—Library Methods.....	1 hr.
Music 150—Elements of Music.....	2 hrs.
Music 211a—Piano.....	2 hrs.
Music 238a—Stringed Instrument Class.....	1 hr.
Physical Education 110a—Fundamental Physical Education Activities	1 hr.
	<hr/> 16 hrs.

Second Semester

English 102—Oral and Written Composition.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Mathematics 107—College Algebra.....	3 hrs.
Music 211b—Piano.....	2 hrs.
Music 238b—Stringed Instrument Class.....	1 hr.
Science (Elective).....	4 hrs.
Physical Education 110b—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

SECOND YEAR

First Semester

English 211 or English 212—English Literature.....	3 hrs.
History (Elective).....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Music 251—Harmony I.....	2 hrs.
Music 252—Sight Singing and Ear Training I.....	1 hr.
Music 221a—Voice.....	2 hrs.
Elective	2 hrs.
Physical Education 200c—Fundamental Physical Education Activities	1 hr.
	<hr/> 17 hrs.

Second Semester

Education (Elective).....	3 hrs.
English 213—American Literature.....	3 hrs.
Music 253—Harmony II.....	2 hrs.
Music 254—Sight Singing and Ear Training II.....	1 hr.
Music 221b—Voice.....	2 hrs.
Science (Elective).....	4 hrs.
Physical Education 200d—Fundamental Physical Education Activities	1 hr.
	<hr/> 16 hrs.

THIRD YEAR**First Semester**

Education 313—Child Psychology or Education 314—Psychology of Adolescence.....	3 hrs.
History (Elective).....	3 hrs.
Mathematics (Elective).....	2 hrs.
Music 351—Harmony III.....	2 hrs.
Music 352—Sight Singing and Ear Training III.....	1 hr.
Music 361—Grade Methods and Materials.....	2 hrs.
Elective	3 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 261—Fundamentals in Early Elementary Educa- tion or Education 263—Fundamentals in Intermediate Education	4 hrs.
Music 353—Harmony IV.....	2 hrs.
Music 354—Sight Singing and Ear Training IV.....	1 hr.
Music 362—Conducting	2 hrs.
Science (Elective).....	4 hrs.
Elective	4 hrs.
	<hr/>
	17 hrs.

FOURTH YEAR**First Semester**

Education 463—Student Teaching.....	5 hrs.
Music (Piano, Voice, or Violin).....	2 hrs.
Music 302—Music History I.....	2 hrs.
Music 248a—Wind Instrument Class.....	1 hr.
Elective	6 hrs.
	<hr/>
	16 hrs.

Second Semester

Music (Piano, Voice, or Violin).....	2 hrs.
Music 303—Music History II.....	2 hrs.
Music 361—Grade Methods and Materials.....	2 hrs.
Elective	10 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Art, English, History.

CURRICULUM FOR A MAJOR IN SCIENCE**FIRST YEAR****First Semester**

Chemistry 111—General Chemistry.....	4 hrs.
Education 111—Educational Psychology.....	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
History 102 or History 103—American History.....	3 hrs.
Mathematics 107—College Algebra.....	3 hrs.
Physical Education 110a—Fundamental Physical Education	
Activities	1 hr.
<hr/>	
	17 hrs.

Second Semester

Biology 121—General Biology.....	4 hrs.
Chemistry 112—Inorganic Chemistry.....	5 hrs.
English 102—Oral and Written Composition.....	3 hrs.
Mathematics 113—Trigonometry.....	3 hrs.
Physical Education 110b—Fundamental Physical Education	
Activities	1 hr.
<hr/>	
	16 hrs.

SECOND YEAR**First Semester**

Biology 231—Botany I. General Botany.....	4 hrs.
English 211 or English 212—English Literature.....	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Physics 201—Mechanics, Heat, and Sound.....	5 hrs.
Physical Education 200c—Fundamental Physical Education	
Activities	1 hr.
<hr/>	
	16 hrs.

Second Semester

Chemistry 215—Organic Chemistry.....	5 hrs.
English 213—American Literature.....	3 hrs.
History (Elective).....	3 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound,	
and Light.....	5 hrs.
Physical Education 200d—Fundamental Physical Education	
Activities	1 hr.
<hr/>	
	17 hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy.....	4 hrs.
Geology 301—Physical Geography and Geology.....	3 hrs.
Mathematics 232—Analytic Geometry.....	5 hrs.
Physics (Elective).....	3 hrs.
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	15 hrs.

Second Semester

Biology, Chemistry or Physics (Elective)*.....	3 to 5 hrs.
Education 314—Psychology of Adolescence.....	3 hrs.
History, Government, or Sociology (Elective).....	3 hrs.
Mathematics 321—General Astronomy.....	3 hrs.
Elective	4 to 2 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Biology, Chemistry or Physics (Elective)*.....	4 hrs.
Education 364—Methods of Teaching in the Secondary School	4 hrs.
Education (Elective).....	3 hrs.
Health 303—Applied Bacteriology.....	5 hrs.
<hr/>	
	16 hrs.

Second Semester

Biology, Chemistry, or Physics (Elective)*.....	3 to 5 hrs.
Education 463—Student Teaching.....	5 hrs.
Elective	8 to 6 hrs.
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	16 hrs.

*The head of the science department in which the student is doing the major portion of his work should be consulted at the time of registration.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education.

Eastern Kentucky State Teachers College

RICHMOND, KENTUCKY

Member

Association of Kentucky Colleges and Universities
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools

CATALOG

1935-36



EASTERN KENTUCKY REVIEW

VOLUME XXVIII

JULY, 1935

NUMBER 1

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1935

CALENDAR

1935

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1936

CALENDAR

1936

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1935—The College Calendar—1936

FIRST SEMESTER

September 13, 14	Friday, Saturday.....	Admission and classification of freshmen*
September 16	Monday.....	Registration of Upper Classmen
September 16	Monday.....	Entrance examinations
September 17	Tuesday.....	Classes begin
September 23	Monday.....	Last day to register for full load
October 8	Tuesday.....	Last day to register for credit
November 28	Thursday.....	Thanksgiving (Holiday)
December 18	Wednesday, 4:00 P. M.	Christmas vacation begins
January 2	Thursday.....	Class work resumes
January 24	Friday.....	Semester closes

SECOND SEMESTER

January 27	Monday.....	Registration
January 27	Monday.....	Entrance examinations
January 28	Tuesday.....	Classes begin
February 3	Monday.....	Last day to register for full load
February 18	Tuesday.....	Last day to register for credit
March 30	Monday.....	Registration for Spring Term
March 30	Monday.....	Entrance examinations
March 31	Tuesday.....	Classes begin
April 1	Wednesday.....	Last day to register for full load
April 6	Monday.....	Last day to register for credit

(Commencement Season)

May 24	Sunday.....	Baccalaureate address
May 27	Wednesday.....	Commencement
May 29	Friday.....	Semester closes.

*It is necessary for beginning freshmen to be present on September 13, 14, 15, and 16.

ORGANIZATION

BOARD OF REGENTS

JAMES H. RICHMOND
State Superintendent of Public Instruction, Ex-Officio Chairman

J. W. CAMMACK, Owenton, Kentucky
Term Expires 1936

H. D. FITZPATRICK, Prestonsburg, Kentucky
Term Expires 1936

JOHN NOLAND, Richmond, Kentucky
Term Expires 1938

H. M. BROCK, Harlan, Kentucky
Term Expires 1938

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H. M. BROCK, Vice-Chairman

J. W. CAMMACK, Secretary

KATHERINE MORGAN, Assistant Secretary

SPEARS TURLEY, Treasurer

JOHN NOLAND, Representative of Board of Regents on Council on
Public Higher Education

EXECUTIVE COMMITTEE

Board of Regents, President, and Treasurer

Faculty

H. L. DONOVAN, A. B., M. A., Ph. D., LL. D. President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers; LL. D., University of Kentucky.

WILLIAM C. JONES, B. S., A. M., Ph. D. Dean of the Faculty. Director of Research; Professor of Education

B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; Ph. D., George Peabody College for Teachers.

KERNEY M. ADAMS, A. B., A. M. Associate Professor of History

Diploma, Eastern Kentucky State Normal School; A. B., University of Kentucky; A. M., Cornell University; two years additional graduate work, Harvard University.

MARY L. ADAMS, B. S., M. A. Assistant Professor of Home Economics; Supervising Teacher, Model High School

B. S., University of Kentucky; M. A., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University.

ANNIE ALVIS, A. B., M. A. Assistant Professor of Elementary Education; Supervising Teacher, Elementary Training School

A. B., State Teachers College, Farmville, Virginia; M.A., Teachers College, Columbia University.

MRS. MARY EDMUNDS BARNHILL, A. B., M. A., LL. B. Associate Professor of English

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Ohio State University; LL. B., University of Louisville; graduate student, Ohio State University.

G. O. BRYANT, A. B., A. M. Assistant Professor of Mathematics; Supervising Teacher, Model High School

Diploma, Western Kentucky State Normal School; A. B., A. M., University of Kentucky.

PEARL L. BUCHANAN, A. B., M. A. Associate Professor of English

A. B., Southwestern University; graduate student, University of Oklahoma and Northwestern University; M. A., George Peabody College for Teachers.

VIRGIL BURNS, A. B., M. A. Assistant Professor of History and Government

Diploma, Western Kentucky State Normal School; student, Bowling Green Business University; A. B., University of Kentucky; M. A., Teachers College, Columbia University; one year additional graduate work, Columbia University.

MARY KING BURRIER, B. S., M. S. Assistant Professor of Home Economics

Diploma, Hamilton College; B. S., M. S., University of Kentucky; graduate student, Columbia University.

C. E. CALDWELL, A. B., B. S., A. M. Associate Professor of Mathematics

A. B., Marietta College; B. S., National Normal University; A. M., Ohio State University.

JANE CAMPBELL, B. Mus., A. B., A. M. Assistant Professor of Music

B. Mus., Taylor University; A. B., Eastern Indiana State Normal School; graduate work, State Teachers College, Indiana, Pa.; A. M., Columbia University; Ecole Normale de Musique, Paris; Student of Nadia Boulanger.

KATIE CARPENTER, A. B., A. M. Assistant Professor of Elementary Education; Supervising Teacher, Rural Demonstration School

A. B., Eastern Kentucky State Teachers College; A. M., University of Kentucky.

ASHBY B. CARTER, B. S., M. A. Associate Professor of Agriculture

Student, University of Richmond, University of Virginia and Virginia Mechanics Institute; B. S., M. A., George Peabody College for Teachers; graduate student, Columbia University and University of Kentucky.

MRS. EMMA YOUNG CASE, A. B., M. A. Associate Professor of Education; Dean of Women

Student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; M. A., George Peabody College for Teachers.

ROY B. CLARK, A. B., A. M., Ph. D. Professor of English

Diploma, Nebraska State Normal School; A. B., University of Nebraska; A. M., Ph. D., Columbia University.

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****MEREDITH J. COX, B. S., M. A.**

Professor of Chemistry

Diploma, Warren Academy; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, Columbia University, University of Wisconsin, and Duke University.

NOEL, B. CUFF, B. S., A. M., Ph. D.

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B. S., A. M., Ph. D., George Peabody College for Teachers

N. G. DENISTON, B. M. T., B. S., M. S.

Associate Professor of
Industrial Arts

B. M. T., Valparaiso University; student, Stout Institute, Massachusetts Institute of Technology; B. S., Bradley Polytechnic Institute; graduate student, University of Chicago; M. S., Kansas State Teachers College of Pittsburg.

LUCILE DERRICK, B. S., M. A.

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RUTH DIX, B. S., M. A.

Associate Professor of Home Economics

Student, Bradley Polytechnic Institute, and University of Illinois;
B. S., Bradley Polytechnic Institute; M. A., Teachers College, Colum-
bia University.

J. T. DORRIS, A. B., A. M., Ph. D.

Professor of History
and Government

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RICHARD A. EDWARDS, A. B., A. M.

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Director of Training School

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FRED A. ENGLE, A. B., A. M.

Assistant Professor of Mathematics

Student, Cumberland College, University of Chicago; A. B., A. M., University of Kentucky; two years additional graduate work, University of Kentucky.

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*D. THOMAS FERRELL, A. B., M. A.

**Associate Professor of
Education**

A. B., A. M., Duke University; M. A., Teachers College, Columbia University; two years additional graduate work, George Peabody College for Teachers; one quarter, Trinity College, Dublin, Ireland.

*On leave of absence for one semester.

** On leave of absence for two semesters.

MARY FLOYD, A. B. M. A., B. S. in Library Service **Associate Professor of History; Librarian**

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Diploma, Louisiana State Normal College; B. C. S., Bowling Green Business University; A. B., George Washington University; A. M., University of Kentucky; student, University of Paris.

ALLIE FOWLER, B. S., M. A. **Assistant Professor of Art**
B. S., M. A., George Peabody College for Teachers.

MAUDE GIBSON **Assistant Professor of Art**

Graduate, Lebanon Normal; two years' course in public school art, Teachers College, Miama University; student, New York School of Applied Design and Teachers College, Columbia University.

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G. M. GUMBERT, B. S., M. S. **Assistant Professor of Agriculture**
B. S., M. S., University of Kentucky.

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Student, Eastern Kentucky State Teachers College, University of Illinois, and George Peabody College for Teachers; B. C. S., Bowling Green Business University; A. B., M. A., University of Kentucky.

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Health and Physical Education
A. B., Ohio Wesleyan University; A. M., Columbia University.

SAUL HOUNCHELL, A. B., M. A., Ph. D. Assistant Professor of
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Diploma, Morton-Elliott Junior College; A. B., University of Kentucky; M. A., University of Michigan.

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CHARLES A. KEITH, B. A., M. A., Ped. D. Professor of History and
Government; Dean of Men
Student, University of Arkansas and University of Texas; B. A., M. A., Oxford University; Honorary Doctor of Pedagogy, Ohio Northern University; one year and two summer terms' additional graduate work, Indiana University.

L. G. KENNAMER, A. B., B. S., M. A., Ph. D. Professor of Geography
and Geology
A. B., Simmons University; student, University of Wisconsin, Vanderbilt University, and University of Tennessee; B. S., M. A., Ph. D., George Peabody College for Teachers

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Economics; Cafeteria Manager
B. S., Tri State College; M. S., University of Chicago.

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A. B., Hiram College; Ph. D., University of Chicago.

*On leave of absence for one semester.

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Teacher, Elementary Training School

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MRS. HELEN HULL LUTES, B. Mus.

Assistant Professor of Music;
Teacher of Violin

Diploma in Music, Ohio State Teachers College; B. Mus., University of Michigan.

THOMAS E. McDONOUGH, B. S., M. A.

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Diploma, La Crosse Teachers College; student, Columbia University; B. S., M. A., George Peabody College for Teachers.

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Registrar; Director of Extension

Diploma, Mississippi State Normal School; B. S., M. A., George Peabody College for Teachers; one year additional graduate work, George Peabody College for Teachers.

ELEANOR MEBANE, A. B., M. A.

Assistant Professor of Art

A. B., University of Indiana; M. A., George Peabody College for Teachers; student, Art Institute of Chicago, one year; student, Chicago Academy of Fine Arts, two years; student, Art Students' League, New York, one year; student, New York School of Fine and Applied Arts, four months; student, Pennsylvania Academy of Fine Arts, one year; Summer School of Modern Art, Chatham, Massachusetts, one month. Pupil of Henry Snell, summer sketch class, 1934.

WILLIAM J. MOORE, A. B., A. M., Ph. D.

Professor of Economics

Diploma, Eastern Kentucky State Normal School; student, College of Law, University of Kentucky; A. B., A. M., Ph. D., University of Kentucky.

MRS. JANET MURBACH, A. B., A. M.

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A. B., Oberlin College; student, University of Paris and University of California; A. M., University of Kentucky; one year graduate study, University of Toulouse, France.

MARY C. MURPHY, A. B., M. M. Assistant Professor of Music
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Richmond City Schools
A. B., Transylvania College; M. A., Columbia University.

SMITH PARK, B. S., M. S., Ph. D. Professor of Mathematics
B. S., M. S., Ph. D., University of Kentucky.

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Diploma, University of Michigan, School of Physical Education;
Diploma, University of Notre Dame, Coaching School; A. B., Waynes-
burg College; M. A., University of Michigan; student, Muskingam Col-
lege; additional graduate work, University of Michigan.

R. R. RICHARDS, A. B., M. B. A. Assistant Professor of Commerce
A. B., Eastern Kentucky State Teachers College; graduate stu-
dent, University of Kentucky; M. B. A., College of Business Admin-
istration, Boston University; additional graduate work, Boston Uni-
versity; student, College of Law, Boston University.

DEAN W. RUMBOLD, B. S., Ph. D. Professor of Biology
B. S., University of Buffalo; graduate student, University of Wis-
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RUBY RUSH, A. B., A. M. Assistant Professor of Latin;
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Graduate, Virginia Intermont College; A. B., University of Ken-
tucky; A. M., Columbia University.

TOM C. SAMUELS, Ph. C., B. S. Instructor of Physical Education;
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Ph. C., B. S., University of Michigan.

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Ph. D., University of Vienna.

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THOMAS STONE, Mus. B. Teacher of Violin
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BROWN E. TELFORD, B. S. Assistant Professor of Music;
Teacher of Piano

Diploma, Greenbrier College for Women; student, Cincinnati Conservatory of Music, New York School of Music and Arts, New England Conservatory of Music; B. S., Columbia University.

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JAMES E. VAN PEURSEM, A. B., B. Mus. Associate Professor of
Music

A. B., Morning Side College; B. Mus. Oberlin College; graduate student, New York University.

SAMUEL WALKER, A. B., A. M. Assistant Professor of History;
Supervising Teacher, Model High School

A. B., Maryville College; A. M., University of Kentucky.

ANNA C. WILLIAMS, A. B. Nursery School Teacher

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GERMANIA J. WINGO, B. S., M. A. Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School

Diploma, Virginia State Normal School; Diploma in critic work, Columbia University; B. S., M. A., Teachers College, Columbia University.

LIBRARY STAFF

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**ISABEL BENNETT, A. B., B. S. in Library Science Assistant Librarian
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**FRANCES MASON, A. B., A. B. in Library Science Assistant Librarian
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**MRS. LUCILE WHITEHEAD, B. S., B. S. in Library Science
Assistant Librarian in Charge of Reference Work**

B. S., B. S. in Library Science, George Peabody College for Teachers.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent
W. A. AULT, Superintendent Buildings and Grounds
FRED BALLOU, Book Store Clerk
SAM BECKLEY, B. A., Assistant Director of Extension
LOIS COLLEY, Secretary to Business Agent
MAYME COOPER, Secretary, Director of Extension
MARTHA J. CULTON, A. B., Secretary to Registrar
LUCILE DERRICK, B. S., M. A., Assistant to Director of Research
BESSIE H. GRIGGS, Information Clerk
GLADYS KARRICK, B. S., Cashier
LILLY ELNORA KOHL, B. S., M. S., Supervisor of Cafeteria
E. P. McCONNELL, Bookkeeper
INEZ McKINLEY, Assistant Bookkeeper and Stenographer
LUCY MITCHELL, B. S., Stenographer, Business Office
KATHERINE MORGAN, Secretary to the President
HELEN W. PERRY, Recorder, Registrar's Office
MARIE L. ROBERTS, Housekeeper, Sullivan Hall
MAYE M. WALTZ, Secretary to Dean
EDNA WHITE, Registered Nurse
EUNICE WINGO, Secretary to Dean of Women

Faculty Organization

DIVISIONS OF INSTRUCTION

1. APPLIED ARTS AND SCIENCES.....William J. Moore, Chairman
2. FINE ARTS.....James E. Van Peursem, Chairman
3. BIOLOGICAL AND PHYSICAL SCIENCES.....Arnim D. Hummell,
Chairman
4. EDUCATION.....William C. Jones, Chairman
5. HEALTH AND PHYSICAL EDUCATION.....Dr. Jacob D. Farris,
Chairman
6. LANGUAGES.....Roy B. Clark, Chairman
7. MATHEMATICS.....Smith Park, Chairman
8. SOCIAL SCIENCE.....L. G. Kennamer, Chairman

COMMITTEES

Alumni

Moore, Adams, Beckley, Carpenter, Case, Coates, Culton, Derrick,
Floyd, Hughes, Lingenfelser, McKinney, Park, Richards,
Story, Tyng

Graduation

Kennamer, Caldwell, Case, Farris, Hummell, Jones, Mattox

Student Schedules

Keith and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Gumbert

Entrance Examinations

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker

Fine Arts and Entertainment

Farris, Buchanan, Caldwell, Campbell, Kennamer, Lutes, Mebane,
Murbach, Murphy, Telford, Tyng, Van Peursem

Library

Floyd, Park, Carter, Clark, Cox, Edwards, Jones, Keith, Kennamer,
McDonough, Ford, Rumbold

The Training School

Edwards, O'Donnell, the critic teachers, and the teachers of education.

Athletics

McDonough, Farris, Park, Richards, Hummell

Societies, Clubs, and Forensics

Clark, Barnhill, Burns, Dix, Dorris, Ferrell, Ford, Houchell

Student Publications

Rumbold, Cuff, Deniston, Gibson, Hood, Keene, Richards

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb

Curriculum

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Park, Mattox, Moore,
Tyng

Student Welfare, Discipline, and Grievances

Donovan, Case, Farris, Jones, Keith, Barnhill

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Fowler

Socials and Receptions

Hughes, E., Burrier, Farris, Fowler, Hughes, C. T., McKinney, Richards; ex-officio, Case, Keith

Extension

Carter, Adams, Dorris, Engle, Hembree, Jones, Mattox

Student Loans, Scholarships and Fellowships

Cuff, Brock, Case, Cox, Keith, McDonough, Rankin, Schnieb

Student Labor

Farris, Case, Carter, Floyd, Kohl, McDonough, Brock, Jones

Graduate

Jones, Clark, Cox, Cuff, Dix, Farris, Hummell, Keith, Kennamer,
Moore, Park, Rumbold

GENERAL INFORMATION

FUNCTION

The primary function of the Eastern Kentucky State Teachers College is that of educating teachers, supervisors, and administrators for the public rural and urban elementary and secondary schools of the state. The college has as its aim the development of both culture and skill in the technique of teaching. These two phases—the attainment of scholarship and a mastery of the art of teaching—constitute the companionate purposes of the institution.

There are other subsidiary functions of the college. These are the operation of the training school, field service, research, the development of ethical professional standards or ideals, and supplementary service.

Training School—The training school is an integral part of the college and is as indispensable to the program of teacher training as a hospital is to the medical school.

Field Service—It is the function of the college to render to the state different field services in the promotion of a system of public education.

Research—It is the function of the institution to discover better ways of teaching through the use of research and experimentation.

The Development of Ethical Professional Standards or Ideals—The institution assumes the responsibility for developing ethical professional standards or ideals.

Supplementary Service—The college courses necessary for entering the professional schools of many of the learned professions are offered. These courses are given as a part of the regular program of the College and do not involve additional cost to the State. An increasing number of students who expect to enter the professions of law, medicine, engineering, and others, are taking their pre-professional college work at Eastern. This work is fully recognized by the leading professional schools of the country.

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison County, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beckham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs. B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September 1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death,

March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president.

LOCATION

The Eastern Kentucky State Teachers College is located in Richmond, Madison County, on the main line of the L. & N. Railway, on the Dixie Highway (U. S. No. 25), and on U. S. Highway No. 227, thus making it very conveniently reached from any direction. The College is surrounded with points of historic interest, and the location, where the mountains meet the blue grass, is unsurpassed for its natural beauty.

Richmond is a city of approximately eight thousand population. It is large enough to afford the essential material conveniences for the care of the student body, but not so large that it detracts from the main purposes of the College. Richmond is largely a residential center. In it are located churches of all the leading denominations.

CAMPUS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University. The campus is one of the most beautiful in the South. It has a splendid sweep of blue grass turf, thickly set with fine maples and other trees.

BUILDINGS

University Building—This building was erected by Old Central University in 1874. The structure was recently remodeled, extensive improvements being made to modernize the interior. The Model High School occupies this building.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This building is named in honor of the first president. It was erected in 1909. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and class rooms.

James W. Cammack Building—This building was constructed in 1918 and was recently remodeled and refurnished. The building was designed and is used entirely for the elementary grades of the Training School. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story, fireproof structure and is used exclusively for library purposes. The building contains more than 43,000 volumes, a large picture collection, and several thousand pamphlets. The John Wilson Townsend collection of Kentucky books is housed in the Kentucky Room of the library. The children's section of the library contains the best available literature for children. It is used by the children of the training school and also serves as a laboratory for college students.

A new addition, recently constructed, has more than doubled the capacity of the library. This addition contains ample space to accommodate the library needs of the institution.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 150 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building, recently constructed, is a beautiful dormitory for women. It is a fireproof structure and accommodates 316 students. The rooms are arranged in suites of two with private bath. A spacious lobby, beauti-

fully furnished, occupies the entire front central section of the first floor. In this dormitory is located the cafeteria which has a seating capacity for 620. There are also in this hall, available for the use of students, a large recreation room, small club rooms, and a well equipped laundry.

The Thomas Jackson Coates Administration Building—This building, erected in 1928, is located on Lancaster Avenue, between Roark Building and the President's home. It contains the administrative offices, departmental offices, classrooms, the college bookstore and college post office. The Administration Building is named in honor of the late Thomas Jackson Coates, Eastern's third president.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. Ten studios and classrooms are provided in this building for the Department of Music.

Weaver Health Building—This building is named in honor of the late Hon. Charles F. Weaver of Ashland, Kentucky, a former member of the Board of Regents. It is one of the largest and best equipped buildings on the campus. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 by 40 feet. All necessary apparatus for physical education has been installed in the building. In this building is located the official-size, tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. Adjacent to the swimming pool are more than 1,100 steel lockers for the use of students. The building also contains classrooms and laboratories for the departments of physical education and health, and offices of the college physician and of members of the physical education staff.

The Central Heating Plant—The Central Heating Plant erected in 1909 contains all the necessary equipment, including

boilers and pumps, for heating all the buildings on the campus. Recently a new 300-horsepower boiler with necessary mechanical stoker and forced draft was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large modern brick dwelling situated on the farm. It is furnished and equipped, and is used for Home Management work in connection with the course in vocational home economics.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. It bounds the original campus on the east and south. The farm is used for laboratory purposes by the department of agriculture. The activities of the farm are those which are usually found in this part of the State. The farm produces a large amount of the vegetables, fruit, and dairy products used in the college cafeteria.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm. The dairy herd is composed of purebred Holsteins.

ROOMS

Living Regulations—Both men and women students are required to occupy dormitory rooms while rooms are available on the campus. After the dormitories are filled, students may take rooms in private homes in Richmond, but should not engage rooms without first consulting the Dean of Women or the Dean of Men. Students when living off the campus are required to room in homes approved by the college.

All students not living in their own homes, whether rooming in the dormitories, in private homes, or rooming houses, are alike subject to the regulations, control and supervision of the college.

Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions; therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms.

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

Dormitory Rooms for Women Students—Practically all rooms in the women's dormitories are two-student rooms, but there are a few corner rooms, to which three students are assigned. The dormitories will accommodate 435 women students. Rooms in Burnam Hall and Sullivan Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water are furnished in all rooms in these buildings. Each suite of two rooms in New Burnam Hall has a private bath.

Dormitory Rooms for Men Students—The men's dormitory, accommodating approximately 150 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers, and is convenient and comfortable at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. Most rooms accommodate two students, a few three students.

Off-Campus Rooms for Students—Many of the homes of Richmond are equipped to take care of students who are unable to secure dormitory rooms. A list of approved Richmond homes is available and may be secured upon request from the Dean of Women or the Dean of Men. Many of these homes have facilities for light housekeeping. Furnished and unfurnished homes may be rented by married couples or families.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath, rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bathrooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water. The room rent rates are as follows:

BURNAM HALL:

Front rooms	\$2.25	per	week	per	student
Outside rooms—South section	2.00	"	"	"	"
Inside rooms—on court	1.80	"	"	"	"
Front rooms—North section	1.50	"	"	"	"
All other rooms—North section	1.35	"	"	"	"

All rooms in Burnam Hall are equipped with single beds.

SULLIVAN HALL:

Front rooms	\$1.35 to \$1.50	per	week	per	student
All other rooms except fourth floor	1.35	"	"	"	"
Rooms on fourth floor.....	1.00	"	"	"	"

All rooms in Sullivan Hall are equipped with single beds.

MEMORIAL HALL:

Front rooms	\$1.35 to \$1.80	per	week	per	student
Annex rooms	1.50 to 1.80	"	"	"	"
All other rooms	1.35 to 1.50	"	"	"	"

Practically all rooms in Memorial Hall have single beds.

Dormitory Room Reservations—Students desiring to have rooms reserved in the dormitories should write the Business Agent for application card. When applying for dormitory reservations, students should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received and in that order rooms are assigned. Rooms for the fall semester can generally be assigned promptly upon receipt of applications. Room reservations for the second semester and summer school cannot be made until the number of students vacating the dormitories at the close of the preceding term is determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

Room Reservations are void unless claimed by 6:30 P. M. of the opening day of the semester or term, and the fee is forfeited. Room reservations are not transferable.

Room Deposit Fee—When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college, as a guarantee of the proper

care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room reservation fees should not be sent until dormitory assignments have been received. A room reservation fee will be refunded only when receipt is surrendered not later than ten days before the opening of the term or semester.

Articles To Be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish pillow cases, sheets, spreads and comforts or blankets, towels, soap, and runners for table and dresser.

BOARD

Board is provided in the cafeteria in Burnam Hall. The cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office and may be purchased as needed. The average cost of board is approximately \$3.75 a week. Men and women students occupying rooms on the campus are expected to take their meals at the college cafeteria.

Students rooming on the campus are required to pay in advance for five cafeteria coupon books at the beginning of each semester, for five at mid-semester, and for three at the beginning of each summer term. These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$23.00 for which the student will receive five coupon books good for \$25.00 in board. A payment of \$14.25 will be required in advance at the opening of each summer term for which the student will receive three coupon books good for \$15.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

FEE S

Method of Payment—All payments of college expenses made by students must be by certified check, postal or express money order, cashier's check, or cash. No personal checks will be accepted. This policy has been made necessary through conditions over which the institution has no control, and to enable the institution to carry out the provisions of certain laws enacted by the legislature.

Incidental Fee—Each student pays an incidental fee of \$15.00 each semester. The incidental fee for students who register for seven semester hours or less in any semester or term will be \$7.50. The incidental fee for the spring term is \$7.50. The incidental fee is paid at the time of registration. This fee entitles the student to :

- 1. Reduced admission rates to regular numbers of the Lectures and Fine Arts series
- 2. Subscription to the Eastern Progress
- 3. Library service
- 4. Health service
- 5. Reduced admission rates to intercollegiate contests
- 6. Activities sponsored by Social Committee.

Tuition—Tuition is free to residents of Kentucky. Non-residents of Kentucky are charged the following rate:

For one semester\$25.00

Estimated Expenses—The estimated necessary expenses for one semester (18 weeks) are as follows:

Incidental Fee	\$ 15.00
Room Rent in Dormitories	\$18.00 to 40.50
Board in College Cafeteria	46.00 to 72.00
College Post Office Box Rent .....	.50
Books	10.00 to 15.00
<hr/>	
Total Expenses	\$89.50 to \$143.00

The following expenses are payable in advance for the semester:

Incidental Fee	\$ 15.00
Room Rent in Dormitories	\$18.00 to 40.50
Board in College Cafeteria	23.00
College Post Office Box Rent .....	.50
<hr/>	
Total to be paid in advance	\$56.50 to \$79.00

Expenses for Summer School—Expenses for the summer school are in proportion to expenses for the regular semester.

Laboratory Fees—The fees to be paid for laboratory courses are indicated in connection with descriptions of these courses in another part of this catalog. Laboratory fees cover the cost of materials and laboratory service furnished. Laboratory fees are paid at the time of registration.

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester, and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan receive laundry service for towels and bathing suits for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of the rental will be refunded.

Fee for Late Registration—Students who register after the first two days of a semester or term are required to pay a late registration fee of \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration.

Graduation Fee—Each student who receives the baccalaureate degree pays a fee of \$7.50. This fee covers cost of diploma, cap and gown rental, and other expenses incidental to graduation.

Each student who receives the master of arts degree pays a fee of \$10.00. This fee covers cost of diploma; cap, gown, and hood rental; binding of thesis; and other expenses incidental to graduation.

Special Examination Fee. Students to whom it is necessary to give a special examination after the regular scheduled time for same will be charged a fee of fifty cents. A special examination is defined as any examination other than examinations for entrance, course examinations, and examinations for advanced standing.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses by doing various kinds of jobs for the college cafeteria, book store, post office, dormitories, information offices, farm, etc. Some students may also secure part-time employment in Richmond stores, restaurants, and other business establishments.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all their expenses for at least one semester.

LOANS AND SCHOLARSHIPS

Loans—The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow on a personal note a small sum at a legal rate of interest. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

William Davis Scholarships—Under the provisions of the will of the late William Davis of Newport, Kentucky, a sum of money was left for the benefit of students living in the Lona Estella Davis school district of Rowan county, to be used as scholarships at the Eastern Kentucky State Teachers College. These scholarships are awarded by the superintendent of Rowan county and the president of the Eastern Kentucky State Teachers College. Inquiries concerning these scholarships should be addressed to the superintendent of Rowan county.

Music Scholarships—The college awards annually three

scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

BOOK STORE AND POST OFFICE

The college book store and post office are located on the ground floor of the Administration Building, and are convenient to all students. Individual lock boxes are furnished in the post office for all students occupying dormitory rooms. For the convenience of students all necessary books and class supplies are carried in the book store.

CHAPEL PROGRAMS

The chapel programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

FINE ARTS SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort are expended to provide programs by the foremost artists. Each student is able to attend these concerts at a very small expense.

PUBLICATIONS

The Milestone—The Milestone is the college annual published each year by representatives of the Senior Class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various departmental editors, all chosen from the student body.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of the college physician. The students have the privilege of consulting the college physician for medical advice and attention at all times. Students are given immunizations for various contagious diseases. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical examinations are given to freshmen students when they enter the institution for the first time. All students, whether living in the dormitories or off the campus, are entitled to free advice and service of the health department. A

full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Intercollegiate athletic contests are held under the supervision of the Faculty Committee on Athletics, which committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association, and all athletics contests are governed by the eligibility rules of that body. Representative teams are developed in football, baseball, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activities, giving credit, are required of all freshmen and sophomores. These activities, offered during school hours, are varied and seasonal. The aims are to develop regular habits of play, physical strength and vigor, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are offered by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. Every student has an opportunity to belong to a team.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the college and the training school students. **Only those officially connected with the institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. Students who expect to use the pool should see the college physi-

cian and arrange to take a complete physical examination. Regulation cotton bathing suits are required. Admission to the pool is strictly according to schedule.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with a minimum of fifteen units so chosen as to include the basic units is required for admission to the freshman class. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basis Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	1	Education (including	
Foreign Languages		Psychology)	$\frac{1}{2}$ -1
French	1-3	Sciences	
German	1-3	Biology	$\frac{1}{2}$ -1
Latin	1-4	Botany	$\frac{1}{2}$ -1
Spanish	1-3	Chemistry	$\frac{1}{2}$ -1
Mathematics		General Science	$\frac{1}{2}$ -1
Advanced Arithmetic	$\frac{1}{2}$ -1	Geology	$\frac{1}{2}$ -1
Advanced Algebra	1	Physics	$\frac{1}{2}$ -1
Solid Geometry	$\frac{1}{2}$	Physical Geography	$\frac{1}{2}$ -1
Trigonometry	$\frac{1}{2}$	Phys. and Hygiene	$\frac{1}{2}$ -1 $\frac{1}{2}$
History and Civics		Zoology	$\frac{1}{2}$ -1
History and Civics	1-4		
Political Economy	$\frac{1}{2}$		
Problems of Democracy	1		
Sociology	$\frac{1}{2}$		

GROUP B

(Only four units may be offered in this group.)

Agriculture	$\frac{1}{2}$ -4	Home Economics	$\frac{1}{2}$ -4
Bookkeeping	$\frac{1}{2}$ -1	Music	$\frac{1}{2}$ -1
Commercial Law	$\frac{1}{2}$	Shop Work	$\frac{1}{2}$ -2
Commercial Geography	$\frac{1}{2}$	Salesmanship	$\frac{1}{2}$
Drawing—Freehand	$\frac{1}{2}$ -2	Shorthand	$\frac{1}{2}$ -1
Drawing—Mechanical	$\frac{1}{2}$ -2	Surveying	$\frac{1}{2}$
		Typewriting	$\frac{1}{2}$ -1

The minimum amount of credit allowed in any subject will be one-half unit.

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 inclusive are primarily for freshmen.

Courses numbered 200 to 299 inclusive are primarily for sophomores.

Courses numbered 300 to 399 inclusive are primarily for juniors.

Courses numbered 400 to 499 inclusive are primarily for seniors and graduate students.

Courses numbered 500 to 599 inclusive are primarily for graduate students.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given

a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points per Semester Hour
A	Excellent	3
B	Good	2
C	Average	1
D	Poor	0
F	Failure	0
I	Incomplete	
Z	Conditioned	

The grades A, B, C, D, and F, cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the student to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load for a semester for all students is sixteen semester hours exclusive of Physical Education 110 and 200. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of nineteen hours provided the application is properly approved at the time of registration.

The normal load for a summer term for all students is six semester hours. The minimum load to be classed as a full-time student is four semester hours. Students with an established record of superior quality may take a maximum of seven semester hours provided the application is properly approved at the time of registration.

STANDARD OF WORK

For a semester the minimum standard of achievement which enables a student to re-enroll without question in the college is eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than 9 semester hours nor more than 19 semester hours in a semester. In each such case of re-registration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester. Failure during the probation period to meet the minimum standards makes the student ineligible for re-enrollment the following semester or term except as provided in (c).

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the president and authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the re-registration of persons with credit sufficient to classify them above the freshman year in case such persons fail to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the re-registration of a person in the freshman year after that person has been re-admitted once and has had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

OFFICIAL SCHEDULE CHANGES

The College reserves the right to cancel a course when the registration is not sufficient to warrant its continuance; to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

COMMENCEMENT

Commencements are held at the close of the academic year and at the end of the summer school. Students who are candidates for degrees are required to participate in the Commencement exercises unless excused by the President. A student who satisfies the requirements for a degree at times other than at the end of the second semester or the close of the summer school will receive his degree immediately following the completion of the work and will be regarded as a member of the graduating class immediately succeeding the completion of the work.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All members of the Alumni Association are to remain members regardless of the work completed at the time they

were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

CHURCH AFFILIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the city.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary, all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. The opportunity for social life among the students, along with the professional and intellectual interests, is a valuable feature of the student activities.

Name of Organization Departmental Clubs:	Qualifications for Membership
Agricultural Club	Open to students who are majoring or minoring in Agriculture.
Canterbury Club	Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election.
Elementary Council	Open to students who are majoring in Elementary Education and to students who are enrolled for Education 261, 263, or 265.
Home Economics Club	Open to students who are taking a major or a minor in Home Economics. Membership is by election.
Physical Education Club	This club is composed of students who are taking a major or a first minor in Physical Education.

- Sigma Tau Pi** Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members.
- Science Club** Open to all students majoring or minoring in Science.
- Social Science Club** Active membership shall be invitational and limited to majors and minors who have completed eight semester hours in Social Science. Eligibility shall be based upon a general average of 1.5 and a departmental average of 2.0.
- World Affairs Club** Membership in this club shall be of two classes—(1) active, and (2) associate. Active membership shall be invitational and limited to the majors and minors in the Department of Geography and Geology. Eligibility is based upon general average of 1.5 and a departmental average of 2.0. Associate membership shall be invitational and is open to all faculty members and students of the college. Associate members shall be non-voting members.
- Literary and Dramatic Clubs:**
- Alpha Zeta Kappa** Open to all students who are interested in public speaking and debating. Membership is by election.
- Little Theatre Club** Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the club members.
- Musical Organizations:**
- College Band** Open to all students who can play band instruments. The college furnishes many of the larger and rarer instruments to students who can play them. Regular rehearsal is Thursday evening at 7:00 o'clock, with other sectional practices.

- Madrigal Club** Open to all women students of the institution. The ability of the student is the basis of selection. Membership is limited to thirty students.
- Men's Glee Club** Open to all men students in the institution. The ability of the student is the basis of selection. Membership is limited to thirty-two students.
- Messiah Chorus** Open to all students. Rehearsals are held weekly from October 1 until Christmas vacation. The Messiah is presented jointly with the Berea Harmonica Society at Eastern and at Berea College.
- Orchestra** Open to all students. New members are admitted only as vacancies occur. Rehearsals are held on Tuesdays and Thursdays at 4:00 P. M. The orchestra provides music for chapel and radio programs, assists in the presentation of the Messiah, and furnishes music on various other occasions.
- Professional Clubs:**
- Caduceus Club** Open to sophomores, juniors and seniors who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election.
- Religious Organizations:**
- Y. W. C. A.** Open to all students. The activities of these organizations include the sponsoring of regular Sunday evening vesper programs, morning watch programs, Christmas vesper service, various forms of social service work, and social activities.
- Y. M. C. A.**
- Miscellaneous Organizations:**
- "E" Club** Open to all students who have earned letters at Eastern.
- Pep Club** This group leads the cheering at the athletic games. Open to all students.
- Rural Life Club** Open to all students who are interested in problems of rural life. Membership is by election.

HONORARY FRATERNITIES

Kappa Delta Pi—This is an honorary educational fraternity. The Delta Alpha Chapter was organized at Eastern in May 1935. Membership is by election and is limited to those students who have a general scholastic standing of 1.6, and a standing of 2.0 on education courses. Juniors who are admitted must have completed at least six hours in education and seniors must have completed a minimum of twelve hours.

Pi Omega Pi—This is a national commercial teachers honorary fraternity. The Alpha Beta chapter was installed at Eastern in February, 1935. The fraternity admits four different types of members: Active, associate, alumni, and honorary. Active membership consists of those who are enrolled in college work as bona fide students and who have met the following requirements:

- (a) Ten or more semester hours of college credit in commerce.
- (b) Five semester hours of college credit in education.
- (c) Superior standing in all commercial studies. (The Alpha Beta chapter requires this standing to be at least 2.0).
- (d) At least median standing in all other college subjects.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension-class instruction, lectures, and various other types of public school service.

Bureau of Appointments—A Placement Bureau is maintained by the college to assist students and ex-students in obtaining positions and to aid superintendents, principals, and other public school officials to secure the best qualified individuals to fill their vacancies. No charge is made for this service.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses. For further details see Extension Division bulletin or write Director of Extension Division for additional information.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers

desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class instruction is reasonable. For further details see Extension Division bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree must do in residence at least one course in each department in which as many as two courses are offered toward that degree.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work in his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

THE TRAINING SCHOOL

Function—The function of the Training School is two-fold; first, it trains college students in the theory and art of teaching; second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It provides opportunities for directed observation by college classes

in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the state in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions: the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades, located on the college farm near the campus. The length of the school year is nine months.

Enrollment Fees—Fees for the privilege of attending the Training School are to be paid by the semester in advance. They are as follows:

Elementary School, grades 1 to 6 inclusive.....	\$ 4.00 a semester
Junior High School, grades 7, 8, and 9.....	6.00 a semester
Senior High School, grades 10, 11, and 12.....	10.00 a semester

Elementary School—This division of the Training School is composed of grades one to six, inclusive. It is located in Cammack Building which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Waters Collegiate Institute, was reorganized in the fall of 1930, after a lapse of eight years. This school is located in the University Building which has recently been completely remodeled and especially equipped for high school use. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The school is fully accredited and its graduates are prepared for college entrance.

Pupils who may wish to enter the high school should make application for entrance to the Principal of the Model High

School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted, a transcript of their school record, signed by their principal or superintendent should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach and after he has shown evidence of preparation for the work. For the first week or ten days the children are studied, classroom activities are carefully observed, and organization of subject matter goes forward. When actual teaching begins with a group of children, the training teacher supervises the work so that the student teacher may develop the skills, techniques, and controls considered essential to good classroom procedure.

Student teachers reserve the eighth period daily in their schedules for conference with the training teacher.

Before college students are assigned to a place in the Training School for student teaching, it is expected that they shall have sufficient preparation to insure their own progress in the work. The welfare of the children to be taught must also be safeguarded from the ill effects of an inadequately prepared teacher. For these reasons certain prerequisites are adhered to. Before students are permitted to do supervised student teaching they must satisfy the following requirements:

1. **Adequate Preparation**—Sufficient work, including all prerequisite courses, must be completed to insure adequate preparation for student teaching.

2. **Command of Written and Spoken English**—Any college student coming into the Training School with a noticeable deficiency in the use of English will be dropped from student teaching until evidence is shown that this defect has been overcome.

3. **Health**—A certificate showing evidence of good health and a normal physical condition must be secured from the college physician.

4. **Academic Standing**—An average grade of "C" on all courses taken is required for registration in student teaching.

5. **Credits on File**—The applicant for student teaching must be a regularly classified student with all college credits on file in the Registrar's office.

Due to the limited facilities of the Training School, it is necessary to place some limitations upon those who ask for student teaching during the crowded terms.

It is offered during the fall semester to all who are prepared to take it. During the second semester, it is offered to those who are completing the work in this school for a certificate or a degree to be received at the end of that year. During the first summer term, it is offered only to those who have formerly been students in this institution, who have been unable to attend during either of the preceding semesters, and who must have it in order to complete the requirements for a certificate or a degree which they expect to receive at the end of that summer school.

Those who expect to take student teaching during the spring or summer terms should reserve a place by writing to the Director of the Training School.

CERTIFICATES

Effective September 1, 1935, the following kinds of certificates will be issued by the State Board of Education. Each certificate is issued, renewed or reissued according to the regulations as stated.

I. ELEMENTARY CERTIFICATES

An elementary certificate shall be valid for use in any elementary school in the state.

(1) *Provisional elementary certificate*—The provisional elementary certificate, valid for three years, shall be issued to a person who has completed a curriculum of two years (64 semester hours) for the training of elementary teachers in a standard college or university, and which curriculum meets the minimum

standards prescribed by the State Board of Education for the issuance of such certificate. This certificate may be reissued or renewed after two years' teaching experience during the life of the certificate or upon the presentation of one-half year (16 semester hours) of additional standard college or university work earned during the life of the certificate and prescribed in the same manner as for the original issue, and may be renewed thereafter upon the presentation of one-half year (16 semester hours) of additional standard college or university work earned during the life of the certificate and prescribed in the same manner as for the original issue.

CURRICULUM FOR THE PROVISIONAL ELEMENTARY CERTIFICATE

This curriculum satisfies all requirements of the State Board of Education for the Provisional Elementary Certificate

FIRST YEAR

First Semester

Art 161—Public School Art or	
Music 160—Public School Music	2 hrs.
Education 102—Introduction to Education	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 141—History of Civilization	3 hrs.
Library Science 166—Library Orientation	1 hr.
Science 110—Survey of Science	3 hrs.
Physical Education 110a—Fundamental Physical Education	
Activities	1 hr.
	<hr/>
	16 hrs.

Second Semester

Education 111—Educational Psychology	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Health 101—Public Hygiene	3 hrs.
History 142—History of Civilization	3 hrs.
Science 111—Survey of Science	3 hrs.
Physical Education 110b—Fundamental Physical Education	
Activities	1 hr.
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	16 hrs.

SECOND YEAR

First Semester

Education 261—Fundamentals in Early Elementary Education or Education 263—Fundamentals in Intermediate	
Education	4 hrs.

English 218—Survey of Literature I	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Mathematics 160—Teachers Arithmetic	3 hrs.
Music 160—Public School Music or	
Art 161—Public School Art	2 hrs.
Physical Education 200c—Fundamental Physical Education	
Activities	1 hr.
	<hr/>
	16 hrs.

Second Semester

Education 265—Supervised Student Teaching	3 hrs.
English 261—Literature for Primary Grades or	
English 266—Literature for the Intermediate Grades	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Physical Education 200d—Fundamental Physical Education	
Activities	1 hr.
Elective*	2 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

(2) *Standard elementary certificate.*—The standard elementary certificate, valid for four years, shall be issued to a person who is a graduate of a standard four-year college or university and who has completed a curriculum of four years for the training of elementary teachers, which curriculum meets the minimum standards prescribed by the State Board of Education for the issuance of such certificate. This certificate may be reissued or renewed every four years after three years' teaching experience during the life of the certificate or upon the presentation of one-half year of standard college or university work of graduate grade prescribed in the same manner as for the original issue.

The standard elementary certificate may be extended for life upon the presentation of evidence of the holder having completed a standard four-year college or university curriculum for the training of elementary teachers and in addition thereto one year of standard college or university work of graduate grade, prescribed in the same manner as for the original issue, and three years' teaching experience in the elementary field during the life of the certificate.

*General Agriculture, or Industrial Arts, or Home and Social Problems or Rural Social Economy, or Principles of Sociology.

For the curriculum fulfilling all requirements of the State Board of Education for the Standard Elementary Certificate, and satisfying the requirements for a major in elementary education, see Curriculum Bulletin.

II. HIGH SCHOOL CERTIFICATES

The high school certificates shall be valid for use in any high school in the State.

(1) *Provisional high school certificate.*—The provisional high school certificate, valid for four years, shall be issued to a person who is a graduate of a standard four-year college or university and who has completed a curriculum of four years for the training of high school teachers, which curriculum meets the minimum standards prescribed by the State Board of Education for the issuance of such certificate. This certificate may be reissued or renewed every four year after three years' teaching experience during the life of the certificate or upon the presentation of one-half year of standard college or university work of graduate grade earned during the life of the certificate and prescribed in the same manner as for the original issue. See requirements for professional baccalaureate degree.

(2) *Standard high school certificate.*—The standard high school certificate, valid for five years, shall be issued to a person who is a graduate of a standard four-year college or university and who has completed a standard four-year college or university curriculum for the training of high school teachers and who, in addition thereto, has completed one year of standard college or university work of graduate grade, all of which work meets the minimum standards prescribed by the State Board of Education for the issuance of such certificate.

The standard high school certificate may be extended for life upon presentation of evidence that the holder has had three years' teaching experience in the high school field during the life of the certificate.

III. CERTIFICATES IN ADMINISTRATION AND SUPERVISION

Certificates in administration and supervisor shall be

valid for use in any position of superintendent, principal, supervisor, teacher, or attendance officer.

(1) *Provisional certificate in administration and supervision.*—The provisional certificate in administration and supervision, valid for four years, shall be issued to a person who has had at least two years' successful teaching experience and who is a graduate of a standard four-year college or university and who has completed a standard four-year college or university curriculum for the training of administrators and supervisors, which curriculum meets the minimum standards prescribed by the State Board of Education for the issuance of such certificate. This certificate may be reissued or renewed every four years after three years' experience during the life of the certificate or upon presentation of one-half year of standard college or university work of graduate grade, prescribed in the same manner as for the original issue.

The curriculum for the training of administrators and supervisors shall include in addition to the requirements for the training of elementary or high school teachers the following professional courses:

Administration and Supervision	6 hrs.
Elementary Education	6 hrs.
Supervised Student Teaching	6 hrs.
Secondary Education	6 hrs.

(2) *Standard certificate in administration and supervision.*—The standard certificate in administration and supervision, valid for five years, shall be issued to a person who has had at least two years' successful teaching experience and who is a graduate of a standard four-year college or university and who has completed a standard four-year college or university curriculum for the training of administrators or supervisors, and who, in addition thereto, has completed one year of standard college or university work of graduate grade, all of which work meets the minimum standards prescribed by the State Board of Education for the issuance of such certificate.

The standard certificate in administration and supervision may be extended for life upon presentation of evidence that the holder has had three years of successful experience during the life of the certificate.

IV. ATTENDANCE OFFICER'S CERTIFICATE

Any curriculum leading to a teacher's certificate shall qualify for attendance officer provided such curriculum includes three hours in pupil accounting.

Degrees

PROFESSIONAL BACCALAUREATE DEGREES

General Requirements:

The Bachelor's degree is issued upon a minimum of one hundred and twenty-eight semester hours of college credit. A maximum of thirty-two hours of the work required for a degree may be earned by extension and correspondence. A candidate for a degree must have been in residence in this institution a minimum of thirty-six weeks, at least eighteen of which must have been in the senior year, and must have earned a minimum of thirty-two hours while in residence.

A minimum of forty per cent of the semester hours of credit offered in fulfillment of the requirements for the bachelor's degree must be of senior college level.

Major and Minor Requirements:

A major and two minors or two majors must be completed. A major is defined as a minimum of twenty-four semester hours and a minor is defined as a minimum of eighteen semester hours.

Departmental Requirements:

Education

Supervised Student Teaching (at least three hours in student teaching shall be done in the secondary school)	6 hours
General Psychology or Educational Psychology	3 hours
Elective (selected from at least two phases of secondary education)	9 hours
English	12 hours
Health	2 hours
Mathematics (exclusive of arithmetic) or	6 hours
Foreign Language*	6 to 12 hours
Physical Education	1 hour
Science (Biology, Chemistry, General Science, Geology, Physics)	12 hours
Social Sciences (Economics, Government, History, Sociology)	12 hours

*If three units or more of a foreign language are offered for admission, six semester hours in the same language will be required; if two units of a foreign language are offered for admission, nine semester hours in the same language will be required; if one unit or less of a foreign language is offered for admission, twelve semester hours in the same language will be required.

NON-PROFESSIONAL BACCALAUREATE DEGREES**General Requirements:**

Same as Professional Baccalaureate Degrees.

Major and Minor Requirements:

Same as Professional Baccalaureate Degrees.

Departmental Requirements:**Bachelor of Arts**

English	18 hours
History, Government, Sociology.....	18 hours
Science	12 hours
Mathematics (Not including teachers' arithmetic).....	7 hours
*Foreign Language	6 to 18 hours

Bachelor of Science Degree

English	18 hours
History, Government, Sociology	12 hours
Science	60 hours
Mathematics (Not including teacher's arithmetic).....	12 hours
*Foreign Language	6 to 18 hours

*In meeting the Foreign Language requirement for this degree only credit in translation courses will be counted. The minimum amount of a Foreign Language which may be offered to meet this requirement shall be as follows:

Six semester hours provided three or more units of the same language are presented for college entrance

Twelve semester hours provided two units of the same language are presented for college entrance.

Eighteen semester hours if less than two units of the same language are presented for college entrance.

THE GRADUATE DIVISION

Purpose—The purpose of the Graduate Division is to increase the student's efficiency as a teacher or administrator. In the program of instruction three main phases of the student's education are emphasized: (1) A broader background of academic information, (2) more inclusive knowledge in the professional field of education and educational psychology, and (3) an acquaintance with the technics of research.

Admission Requirements—Any student who has received a bachelor's degree from an accredited institution authorized by law to confer such degrees, and who has met the under-

graduate requirements of the Eastern Kentucky State Teachers College or the equivalent thereof, may be admitted to the Graduate Division.

Requirements for the Degree of Master of Arts—To complete the work for the degree of Master of Arts each candidate must satisfy the following specific requirements:

(1) Spend at least two semesters in residence. Three summer terms are considered equivalent to one semester.

(2) Complete at least twenty-four semester hours in the Graduate Division, at least twelve semester hours of which must be in the **major** field of professional education and at least twelve hours of which must be in academic work. Of the minimum requirement of twelve semester hours of academic work, a minor of at least six semester hours must be completed in one academic department.

(3) Present to the dean of the college not later than the end of the first semester of residence a tentative program and a thesis subject, both of which have been approved by the major and minor professors. The thesis subject shall be approved by the major and minor professors and by the dean of the college as a subject worthy of special research and appropriate to the field involved.

(4) The program of work approved for the degree of Master of Arts must be completed with a high order of scholarship as evidenced by grades of "A" or "B" on all courses. A grade lower than "B" will not be counted for graduate credit.

(5) Formal application for the Master of Arts degree must be filed with the registrar not later than eight weeks before the candidate expects to receive his degree.

(6) Must present at least three weeks before the degree is to be conferred a typewritten thesis, organizing and recording the results of an investigation of some special topic or problem related to the work of the major field. The thesis must be approved by the major and minor professors and by the dean of the college and must conform to regulations approved by the graduate committee for writing theses.

(7) File with the college two typewritten copies of the thesis at least one week before the degree is conferred.

(8) All requirements for the Master of Arts degree must be completed within a period of five years from the date of initial registration in the Graduate Division.

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. Adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all high school teachers must teach two or more subjects. The following are desirable teaching combinations:

Art, music, English.

Commerce, history, geography, mathematics.

English, French, Latin, history, geography.

Foreign language, English, history.

Geography and geology, history, science, commerce, agriculture.

Health and physical education, mathematics, chemistry, biology.

History, English, economics, geography, Latin, French.

Home economics, art, English, social science, health, science.

Industrial arts, mathematics, physical education, physics, chemistry.

Mathematics, physics, chemistry, physical education.

Music, art, English, history.

Science, mathematics, physical education.

DIVISION OF APPLIED ARTS AND SCIENCES

Mr. Moore
Miss Burrier
Mr. Carter
Mr. Deniston

Miss Dix
Miss Ford
Miss Gill
Mr. Gumbert

Miss Kohl
Mr. Richards

Agriculture

Mr. Carter

Mr. Gumbert

Agriculture 100. General Agriculture. Two hours.

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. Use is made of some elementary texts, bulletins, and assigned reading.

Agriculture 126. Farm Poultry. Three hours.

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds, poultry house construction, feeds, balanced rations, poultry diseases, egg production, meat production, culling of flock pests, grading and marketing poultry products.

Agriculture 131. General Horticulture. Three hours.

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 211. (Formerly Agriculture 111.) Farm crops. Three hours.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops, crop improvement, storage and marketing, crop rotation, judging grain, testing seeds.

Agriculture 223. Market Milk. Three hours.

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk, milk as a food, milk in its relation to public health; bacteriology of milk, dairy farm inspection, scoring milk and cream, cost of milk production, milk plants, pasteurization, refrigeration, etc.

Agriculture 224. Dairy Cattle Management. Three hours.

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds, judging, breeding, feeding, calf raising, pedigrees, advanced registry, dairymen's association, dairy barn construction, equipment, etc.

Agriculture 228. Meat Production. Three hours.

Purpose: To teach the best practices and principles involved in the economical production of beef cattle, sheep and swine on the farm.

Topics: Markets and market requirements. Feeding and handling the herd or flock in the breeding season; the management and feeding of the breeding stock during and following gestation; forage crops and methods of feeding on forage; rations and methods of fattening. Considerable time is spent in a study of breeds, judging, and in the treatment and prevention of the most common ailments. Frequent trips are made to study the practices of successful farmers.

Agriculture 251. (Formerly 151.) Farm Engineering. Two hours.

Purpose: This is a laboratory course, the purpose of which is to acquaint the student with the problems of engineering on the farm.

Topics: Farm machines, operation and care of farm machinery, farm structure, use of concrete on the farm, and the principles of drainage.

Agriculture 315. (Formerly Agriculture 115 and 215.) Soils. Three hours.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of soil physics and soil management, and to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 321. (Formerly Agriculture 121 and 221.) Feed and Feeding. Three hours.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of the cost composition and comparative feeding values of feeds; to point out

the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds, such as, corn, oats, wheat, rye, barley and their by-products, also roughages, such as, silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 345. Farm Management and Farm Accounts. **Three hours.**

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises; to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms, and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, live stock problems, farm labor, farm rents, farm equipment, farm layout, farm inventories, cost accounts, etc.

Agriculture 441. (Formerly Agriculture 241 and 341.) Agricultural Economics. **Three hours.**

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation, farm equipment, the size of the farms, farm labor and wages, farm credit, insurance needs of the farmer, tenant farming, rent and profit, marketing, farm products, crop estimates and forecasts, price fixing and the cost of farm products, the social side of farm life, the future of the farmer, etc.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Commerce

Mr. Moore Miss Ford Miss Gill Mr. Richards

Commerce 124. Economic History of Europe. **Three hours.** See Economics 124.

Commerce 126. (Formerly Commerce 121.) Business Arithmetic. **Two hours.**

Purpose: To prepare the student for Commerce 219, and to provide the student with sufficient information to enable him to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 131. Penmanship. No credit. All students majoring in commerce unless excused by the Head of the Department are required to take this course.

Purpose: To teach the principles of good handwriting, to afford practice in executing these principles, and to develop an appreciation of good handwriting.

Commerce 151. Beginning Typewriting. Two hours. (Credit on this course will be recorded when Commerce 152 has been completed.) Fee, \$1.00.

Purpose: To develop proper technique in typewriting, and to learn to arrange simple material in attractive form.

Topics: Mechanics of the typewriter, the keyboard, word drills, sentence drills, paragraph drills, styles of letters, attractive arrangement of materials.

Commerce 152. Advanced Typewriting. Two hours. Fee, \$1.00.

Purpose: To attain speed with accuracy in working out practical problems in typewriting.

Topics: Drill on material which will develop speed and accuracy; practice in the writing of business letters, simple manuscripts, and simple tabulations.

Commerce 215. (Formerly Commerce 115.) Beginning shorthand. Five hours.

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. Three hours.

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the Gregg shorthand principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 219. (Formerly Commerce 221.) Principles of Accountancy. **Four hours.**

Prerequisite: Commerce 126.

Purpose: To prepare the student to teach the subject or to do practical accounting and bookkeeping work; to furnish a background for work in business administration.

Topics: The balance sheet, the profit and loss statement, the philosophy of debit and credit, mixed accounts, periodic work on the ledger, journals, business forms and vouchers, the trial balance and methods of locating errors, control accounts, the work sheet, balance sheet valuation. A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible.

Commerce 220. Principles of Accountancy. **Two hours.**

Prerequisite: Commerce 219.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish a broader background for work in business administration.

Topics: A more thorough consideration of control accounts and practice in handling them in a laboratory set, the characteristics of a partnership, relation of partnership to accounting, formation of a partnership, division of profits, admission of a new partner, retirement of a partner, dissolution of a partnership.

Commerce 230. (Formerly Commerce 125.) Principles of Economics. **Three hours.** See Economics 230.

Commerce 231. (Formerly Commerce 222.) Principles of Economics. **Three hours.** See Economics 231.

Commerce 253. Teaching of Typewriting. **Two hours.** Fee, \$1.00.

Purpose: To attain a degree of proficiency sufficient to enable one to do professional typewriting or to teach typewriting; to familiarize students with the best techniques of teaching typewriting.

Topics: Drill on material which will develop speed and accuracy; manuscripts, tabulations, legal and other business forms; teaching technique.

Commerce 301. (Formerly Commerce 201.) Business English. **Three hours.**

Prerequisites: English 101 and English 102.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; letters of application; business reports; style studies.

Commerce 303. (Formerly Commerce 203.) Secretarial Practice. **Three hours.**

Prerequisites: Commerce 151, 152, 253, 215, 216.

Purpose: To develop speed in transcribing, and to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective office arrangement and display of typewriting; duties of a secretary; dress, deportment, and ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 309. (Formerly Commerce 209.) **Business Organization. Three hours.**

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the different types of business organization.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization; holding company; amalgamations; mergers; promotion; underwriting; stock exchanges; reorganizations and receiverships; legislation.

Commerce 310. (Formerly Commerce 210 and 321.) **American Economic History. Three hours.** See Economics 310.

Commerce 322. (Formerly Commerce 221.) **Principles of Accountancy. Three hours.**

Prerequisites: Commerce 219 and 220.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish the student a more comprehensive background for work in business administration.

Topics: Analysis and interpretation of financial statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of the corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 324. (Formerly Commerce 224.) **Money and Banking. Three hours.** See Economics 324.

Commerce 325. (Formerly Commerce 225.) **Accounting Problems. Two hours.**

Prerequisites: Commerce 219, 220, 322.

Purpose: To acquaint the student with some of the problems met in various fields of accounting and to introduce the student to some C. P. A. problems.

Topics: Financial statements prepared from incomplete records, special types of statements, revision and correction of financial statements, corporate bonds and sinking funds, amalgamations and mergers of corporations, holding companies and consolidated balance sheets,

adjustments and analysis of surplus, consignments and joint ventures, branch houses and selling agencies, fire loss and insurance adjustments, installment sales, and miscellaneous partnership problems.

Commerce 341. (Formerly Commerce 241.) Salesmanship. **Three hours.**

Purpose: To give information essential to those students who desire to teach the subject and to those who expect to do actual selling.

Topics: The art of selling, the motive behind all buying, the customer's mental journey, attitudes of buyer and salesman, preparation of the selling talk, the pre-approach, the interview, arousing interest, creating desire, answering objections, meeting excuses, diplomacy of the close, types of customers.

Commerce 342. (Formerly Commerce 242.) Advertising. **Three hours.**

Purpose: To acquaint the student with some of the principles of advertising and to present certain very essential phases of procedure to be followed in advertising work.

Topics: The specific purpose of advertising, developing the copy, slogans, trade-marks, layouts, engraving, scheduling of advertisements in newspapers and magazines, direct mail advertising, outdoor advertising, dealer display advertising, packages, radio advertising, determining the value and results of advertising.

Commerce 405. (Formerly Commerce 305.) Business Law. **Three hours.**

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school or college.

Topics: Law in general, kinds of law, persons, torts, contracts, agency, personal property, real property.

Commerce 406. (Formerly Commerce 306.) Business Law. **Three hours.**

Purpose: The purpose of this course is to familiarize the student with further principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school and college.

Topics: Market transactions; bailments; sales and contracts to sell; practices prejudicial to a competitor; practices prejudicial to the public; legislative regulation of market practice; bills, notes, and checks; stocks and bonds; liens, mortgages; bills of lading and warehouse receipts; contracts of guaranty and suretyship; powers of creditors; privileges of debtors.

Commerce 430. (Formerly Commerce 330.) Public Finance. **Three hours.** See Economics 430.

Commerce 440. (Formerly Commerce 340.) Investments. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To give the student information concerning the fundamental principles of sound investments, to help the average person to work out a plan for his investments, and to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society, classification of securities, analyses of securities, possibilities of investment in different classes of securities, financial institutions, the mechanics of investments, the effect of taxation on investment policies, investment and the business cycle, business forecasting, and the determination of an investment policy.

Commerce 443. (Formerly Commerce 343.) Marketing. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To provide the student with information concerning the economics of distribution and distributive agencies and their functions.

Topics: Consumers' buying motives, marketing functions and institutions, selling direct to consumer, earlier and simpler types of retail institutions, department stores, mail order houses, chain stores, agricultural wholesale markets, middlemen of the city agricultural markets, classes and types of wholesalers, raw materials, cooperative marketing, speculation, prices and some price policies, brands and brand policies, ethical aspects of marketing.

Commerce 463. (Formerly Commerce 263.) Practice Teaching in Commerce. **Two and one-half hours.**

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision, grading papers, administering and checking tests, preparation of papers on topics related to the student's major interest and outlines of the subject taught.

Commerce 510. State and Local Taxation. **Three hours.** See Economics 510.

Commerce 520. History of Economic Thought. **Three hours.** See Economics 520.

Commerce 530. Contemporary Economic Thought. **Three hours.** See Economics 530.

Commerce 570. (Formerly Commerce 470.) Seminar. **Two hours.**

Commerce 571. (Formerly Commerce 471.) Seminar. **Two hours.**

Home Economics

Miss Dix

Miss Burrier

Miss Kohl

Home Economics 101. (Formerly Home Economics 110.) Textiles. **Two hours.** No fee.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishings to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economic and social aspects of textile purchase; removal of stains; laundering.

Home Economics 102. (Formerly Home Economics 103.) Source Selection and Cost of Foods. **Two hours.** No fee.

Purpose: To familiarize the student with marketing problems, and to teach the kinds and grades of foods.

Topics: The processes that foods undergo from the producer to the consumer; how to purchase; where to purchase; food budgets; variety, source, selection, and comparative cost of foods used in the home.

Home Economics 203. (Formerly Home Economics 111.) Garment making. **Three hours.** No fee.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing in order that the individual may more wisely select ready-made garments.

Topics: Study of the sewing machine and attachments; making of simple patterns; selection of materials suitable for simple wash dress, kimona or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing.

Home Economics 204. (Formerly Home Economics 101.) Nutrition and Food Preparation. **Three hours.** Laboratory fee, \$3.00.

Purpose: To familiarize the student with the general composition and the place in the diet of foods; to teach the fundamental principles of preparation of foods.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning, preparing and serving of the meal of that unit.

Home Economics 205. (Formerly Home Economics 201.) Meal Planning, Preparation and Serving. **Three hours.** Laboratory fee, \$5.00.

(During a semester each student enrolled for this class receives 25 meals from this fee.)

Prerequisite: Home Economics 204 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced home meals at varying costs; to familiarize students with different types of table service; and to teach table etiquette.

Topics: Principles of well-balanced meals; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; care of dining room equipment.

Home Economics 206. (Formerly Home Economics 112 and 212.) Dressmaking. **Two hours.** No fee.

Prerequisite: Home Economics 203 or equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alterations of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linen, and silk.

Home Economics 207. (Formerly Home Economics 113 and 213.) Care and Selection of the Wardrobe. **Two hours.** Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of the wardrobe and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 208. (Formerly Home Economics 223.) Home and Social Problems for Men. **Two hours.**

Purpose: To create a desire for higher home and social standards, and to train for the job of home making and more efficient citizenship.

Topics: Nutrition, meal planning and home cookery; standards of social conduct; home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 209. Home and Social Problems for Women. **Two hours.**

Purpose: To create a desire for higher home and social standards, thereby preparing women for efficient home-making.

Topics: Nutrition, meal planning and home cookery; marketing; furniture selection and arrangement; clothing selection; family relations; home nursing; child care; social etiquette.

Home Economics 222. Interior Decoration. **Two hours.** See Art 222.

Home Economics 231. Home Nursing. **Two hours.** See Health 231.

Home Economics 301. (Formerly Home Economics 224.) Household Equipment. **Two hours.**

Purpose: To familiarize girls with various types of modern household furnishings; to appreciate the importance of standardization; to enable them to purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings, electric and non electric; cleaning equipment; bedding; linens; china; glassware; silver; floor coverings; wall coverings; furniture.

Home Economics 302. (Formerly Home Economics 102 and 202.) Advanced Cookery. **Three hours.** Laboratory fee \$3.00.

Prerequisite: Home Economics 204.

Purpose: To teach the scientific principles of cookery; to develop skill in cookery.

Topics: Sugar cookery, fruits and vegetables, jelly, gelatin, meat, emulsions, milk, egg cookery, wheat flour and bread, batters and doughs, fats and oils.

Home Economics 303. (Formerly Home Economics 225.) The Family. **Two hours.**

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life, place of children in the family, economic independence of women, homemaking as a profession, distribution of the family income.

Home Economics 305. (Formerly Home Economics 316.) Tailoring. **Two hours.** No fee.

Prerequisite: Home Economics 201 or its equivalent.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with the principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 306. Unit Course in Foods and Nutrition. **Three hours.** Not open to students who have credit for Home Economics 202 (formerly Home Economics 101) and Home Economics 203 (formerly Home Economics 201.) Laboratory fee, \$3.00.

Purpose: To familiarize the student with the fundamental principles of nutrition; to arouse interest in the application of nutritional principles to daily living; to gain the ability to prepare and serve

meals correctly; to acquire the art of becoming a gracious hostess and guest.

Topics: Nutrition, marketing, preparation of foods, serving meals, preservation of foods.

Home Economics 307. Unit course in Clothing. **Three hours.** Not open to students who have credit for Home Economics 203 (formerly Home Economics 111) and Home Economics 206 (formerly Home Economics 112 and 212.) No fee.

Purpose: To familiarize students with fabrics suitable to different types of garments; to develop skill in construction technique and to develop the student's ability to wisely select ready made garments.

Topics: Line and color suitable to different figures; commercial patterns; the adaptation of a plain foundation commercial pattern to different styles of dresses; the construction of any undergarment, a cotton or linen dress, a plain tailored silk dress, a tailored wool problem and either a dinner dress or an evening dress.

Home Economics 355. Costume Design. **Two hours.** See Art 355.

Home Economics 401. (Formerly Home Economics 301.) Dietetics. **Three hours.** Laboratory fee, \$2.00.

Prerequisites: Home Economics 204, 205, Chemistry 313 and Biology 481 or registration in Biology 481.

Purpose: To give students an opportunity to know the essentials of an adequate diet and the nutritive value of common foods; to apply the fundamental principles of human nutrition to the feeding of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods, requirements of the body under different living conditions, dietary problems, prevention of diseases through the diet.

Home Economics 402. (Formerly Home Economics 331.) Child Development. **Three hours.**

Prerequisites: Education 111, Education 314.

Purpose: To teach the care necessary for the physical, mental, emotional, and social development of the child from infancy through adolescence.

Topics: Prenatal care of the infant; physical care of the child; standards of mental development, and factors affecting these; standards of emotional stability; training for social normality.

Home Economics 403. (Formerly Home Economics 321.) Home Management. **Four hours.**

Prerequisites: Home Economics 102, 204, 205 and junior or senior standing with a minimum of sixteen hours in Home Economics.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Home Economics 404. Institutional Foods. **Three hours.**

Prerequisites: Home Economics 204, 306, 401.

Purpose: This is a survey course in institutional food preparation and service. Stress is placed on principles, methods and problems involved in large quantity food buying, preparing and serving. Emphasis is given to low cost school lunches.

Topics: Food production areas; distribution; organization; fundamental buying considerations including need, use, price, quality, grade, wholesale pack, peak of season, storage facilities; immediate and future deliveries; verification of goods received; menu making; standardization of recipes for determination of yield and cost; study of institutional budgets to learn relative food service cost percentages.

Industrial Arts

Mr. Deniston

Industrial Arts 140. General Woodworking. **Two hours.** No fee.

Purpose: To give the student a general knowledge of the fundamental principles of woodworking so that he may construct or repair objects in the school room and home.

Topics: A study of woods and their uses, the use and care of simple hand tools, sharpening of tools, simple operations on power machinery, the making of individual and cooperative projects, various kinds of repair work, and a limited amount of finishing work.

Industrial Arts 141. Elementary Cabinet Making. **Three hours.** Laboratory fee, \$2.25.

Purpose: To study furniture making as it may be taught to high school and vocational classes; to consider the organization and teaching of such work in the schools.

Topics: A study of the common hand tools, various kinds of woods, and simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 190. General Drawing. **Two hours.** No fee.

Purpose: To study the various fields of drawing. The student will be taught to interpret drawings and blue prints, also to make sketches and drawings with simple instruments.

Topics: A study will be made of instruments, materials, lettering, sketching, orthographic projection, pictorial representation, machine details, architectural drawing, and topographical drawing. Some design work will be attempted.

Industrial Arts 191. Elementary Mechanical Drawing. **Three hours.** Laboratory fee, \$3.00.

Purpose: Given as the foundation course for machine and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. **Two hours.** Laboratory fee, \$1.50.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. **Two hours.** Laboratory fee, \$2.00.

Prerequisite: Industrial Arts 191 or Art 161.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink and color.

Industrial Arts 242. Intermediate Cabinet Making and Wood Turning. **Two hours.** Laboratory fee, \$1.50.

Prerequisites: Industrial Arts 141 and Industrial Arts 191.

Purpose: To give the student additional cabinet making practice using turned work.

Topics: Selection of problems, practice work on wood lathe, making of turned elements, and assembling of projects. Attention will be given to the sharpening of tools, their care, and the finishing of projects.

Industrial Arts 249. Wood Finishing and Decoration. **Two hours.** Laboratory fee, \$1.50.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 280. (Formerly Industrial Arts 281.) General Metal Working. **Two hours.**

Purpose: To acquaint the student with the various processes of working with some of the common metals.

Topics: A study of the different kinds of metals, their uses, tempering and finishing. Work in bending, twisting, chipping, filing, drilling, riveting, soldering, and forging will be attempted.

Industrial Arts 292. (Formerly Industrial Arts 392.) **Elementary Machine Drawing. Two hours.** Laboratory fee, \$2.00.

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts and conventions. The student secures his problem from perspective with dimensions, tabular data, and form sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 299. Lettering. **One hour.** Laboratory fee, \$1.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 343. Advanced Cabinet Making and Mill Work. **Two hours.** Laboratory fee, \$1.50.

Prerequisite: Industrial Arts 242.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Topics: Practical work consists of: Making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 361. Organization, Administration and Supervision of Industrial Arts. **Two hours.** No fee.

Prerequisite: Junior standing.

Purpose: To provide the teachers and administrators with a background and information concerning the organization, administration, and supervision of industrial arts.

Topics: Analysis of the administrative officer, organization, instructional material, tests and measurements, professional reading, and the supervision of instruction.

Industrial Arts 365. Guidance. **Two hours.** See Education 365.

Industrial Arts 394. (Formerly Industrial Arts 294.) Elementary Architectural Drawing. **Two hours.** Laboratory fee, \$2.00.

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering, drawing from cast; sketching; lectures.

Industrial Arts 401. (Formerly Industrial Arts 201 and 301.) Problems in Industrial Arts. **One or two hours.** By appointment.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 466. (Formerly Industrial Arts 366.) Teaching of Industrial Arts. **Two hours.** No fee.

Prerequisite: Senior standing.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, testing and system of grading.

Library Science

Miss Floyd

Miss Bennett

Mrs. Whitehead

Library Science 166. Library Orientation. **One hour.**

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliographies, and printed aids in book selections.

DIVISION OF FINE ARTS

Mr. Van Peurseem	Miss Gibson	Miss Murphy
Miss Campbell	Mrs. Lutes	Miss Telford
Miss Fowler	Miss Mebane	

Art

Miss Fowler	Miss Gibson	Miss Mebane
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Art 117. (Formerly Art 115 and 116.) Elementary Drawing and Design. **Four hours.** Laboratory fee, \$1.00.

Purpose: Development of technical skill and creative ability through fundamental training in the use of line, form, tone and color. A beginning course of general appeal, also an essential foundation course for the special art student and the home economics major.

Topics: Representation of simple objects, plants, birds, animals, the human head and figure. Elementary study of perspective, light, and shade composition, color, design, pencil and pen drawing. Mediums employed include pencil, charcoal, crayon, water-color, clay, pen and ink.

Art 161. Public School Art. **Two hours.** Fee, \$2.00.

Purpose: A course for the grade teacher who wishes to become more efficient in the teaching of lettering, design, color, representation, construction and appreciation in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants and constructed objects; color, design; lettering; book-making; appreciation.

Art 200. (Formerly Art 190.) Appreciation of Art. **Two hours.**

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 215. Color Theory. **One hour.** Fee, 50c.

Purpose: Development of ability to use color scientifically and to experience intelligent enjoyment of its effects. A course of general interest, especially valuable to the special art student and the student of dramatic arts.

Topics: The hues of the spectrum, their external causes, their appearance under different conditions of illumination, the different

qualities of each which results from the use of various materials and methods of treatment, the use of typical color combinations, study of so-called systems of color.

Art 217. (Formerly Art 216 and 225.) Lettering and Poster Design. **Two hours.** Fee, 75c.

Purpose: Development of appreciation of good typography, and good design in lettering and posters. Development of the ability to apply art principles in the production of hand lettering and effective posters.

Topics: The fundamental styles of lettering, their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement, including the making of monograms, notices, show cards. Application of advertising principles to the making of simple posters.

Art 222. Interior Decoration. **Two hours.**

Purpose: A general survey course for the student who desires a knowledge of the principles of design in relation to interiors. Special emphasis is placed on the house and its design.

Topics: Architecture; the house and its setting, types of houses; exterior and interior architecture; ornament. Study of period styles in furniture and furnishings. Treatment of interiors—color, form, line, texture in furniture and furnishings in relation to backgrounds.

Art 315. Drawing, Painting, and Composition. **Three hours.** Fee, 50c.

Prerequisite: Art 117 or equivalent.

Purpose: Development of technical skill and creative ability.

Topics: Drawing and painting in charcoal, crayon, chalk, oil and water color. Study of still life, outdoor sketching, perspective, composition.

Art 316. Drawing and Modeling. **Two hours.** Fee, 50c.

Prerequisite: Art 117 or equivalent.

Purpose: Development of graphic ability.

Topics: Drawing and modeling from the cast of head and figure; figure sketching and composition.

Art 355. (Formerly Art 255.) Costume Design. **Two hours.**

Purpose: The course is planned to give a general knowledge of the principles of design as they relate to the costume. This course is for the special art student and the home economics major.

Topics: Color, form, line, texture, history of costume, projects for the secondary school, costuming plays; technical problems of the representation of costumes in water color, pen and ink, crayon and tempers; appreciation of the work of costume designers.

Art 361. (Formerly Art 261.) Art Education in the Elementary and Secondary School. **Three hours.**

Prerequisite: Art 161 or 117 or 217 or equivalent.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary and secondary school.

Topics: The course of study, minimum content essentials, methods, standards of attainment, tests and measurements and equipment.

Art 372. Applied Design. Three hours. Fee, \$2.00.

Purpose: To develop through the use of materials and processes and through a study of fine examples of crafts an appreciation of good craftsmanship.

Topics: Application of design made to stenciling, linoleum block printing, batik, leather tooling, tie-dyeing, soap carving, book making.

Art 390. (Formerly Art 290.) The History of Art. Three hours.

Purpose: To provide the student with a basic understanding of the development of the plastic arts.

Topics: An introduction to the study of the history of architecture, sculpture, painting, and minor arts of all nations; prints and slides are used for illustrative purposes.

Art 475. (Formerly Art 375.) Commercial Art and Illustrations. Three hours. Fee, \$1.00.

Prerequisites: Art 117, 217, 316 or equivalent.

Purpose: Development of creative ability and technical skill in the field of commercial art.

Topics: Lettering, layout, design, illustration in black and white and in color; methods of reproduction.

Art 476. Advanced Painting. Three hours.

Prerequisites: Art 117, 315, 316, and preferably 215 or equivalent.

Purpose: Development of technical skill and appreciation for those desiring special training in painting mediums.

Topics: Painting in water color and oil from still life and the figure. The course will be adapted to the requirements of the particular group.

Music

Mr. Van Peursem

Miss Campbell
Mrs. Lutes

Miss Telford

MUSIC FEES

Individual Instruction (Piano, voice, violin, cello):

Two half-hour lessons per week, one semester.....	\$27.00
One half-hour lesson per week, one semester	18.00
Music 18a, 18b, 28a, and 28b, one semester	5.00
Music 238b, one semester	5.00
Practice room with piano one hour daily, one semester	5.00
Use of school owned violin, one semester	2.50

Music 11a and 11b. Piano. Individual Instruction. **No credit.**

See music fees.

This work may be completed in one year, or it may require more time, according to the ability and application of the students.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65 Bk I.

Music 18a and 18b. Piano. Class Instruction. **No credit.**

See music fees.

Purpose: To give group instruction, to provide a foundation for correct piano playing and to prepare the student for more advanced private study.

Topics: Hand position, notation, simple melodies, and folk songs.

Music 21a and 21b. Voice. Individual Instruction. **No credit.**

See music fees.

Music 28a and 28b. Voice. Class Instruction. **No credit.**

See music fees.

Music 31a and 31b. Violin. Individual Instruction. **No credit.**

See music fees.

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales, and exercises as will prepare the student to enter Music 231a.

Music 36a and 36b. Violin cello. Individual Instruction. **No credit.**

See music fees.

Music 120. Chorus. **One hour.**

Purpose: (a) To encourage and foster a knowledge of and a desire to participate in choral singing, (b) to teach part singing, (c) to familiarize students with standard community and folk songs, with the more familiar choral works of the masters and with some of the simpler modern works for mixed chorus, (d) to acquaint prospective teachers with desirable high school choral material, (e) to illustrate ideals of choral singing and methods of attaining them.

Topics: Familiar sacred and secular songs, and the simpler works for mixed chorus.

Music 150. Elements of Music. **Two hours.**

Prerequisite: Music 160, or equivalent music experience.

Purpose: To provide, for those of some music experience, a thorough foundation in the elements of music notation and terminology, and the fundamental principles of reading by syllable, and to equip the student with such theoretical knowledge as is needed in order to begin profitably the study of Harmony.

Topics: Staff notation, notes, rests, clefs, scales (various modes), keys, meter, chromatic tones, intervals, chords, cadences,

abbreviations and other symbols, music terms, elements of form, solmization, music writing and simple dictation.

Music 160. Public School Music. Two hours.

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles applied to its presentation, and to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades, child voice, tone quality, unmusical singers, rhythmic development, staff notation, beginning music reading, use of the phonograph in singing and in rhythm and appreciation work, materials, and appreciation.

Music 201. Music Appreciation. Three hours.

Prerequisite: Music 150.

Purpose: To foster a love for, and understanding of, good music.

Topics: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 211a and 211b. Piano. Individual Instruction. Two hours.

See music fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. Two hours.

See music fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy, Op. 120; Bach. Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. Two hours.

See music fees.

Topics: Wolff, The Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny, Op. 299. Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. Two hours.

See music fees.

Topics: Philipp, Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths, and tenths; tonics, dominant, and diminished seventh arpeggi, and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, three part inventions; and Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. Two hours.

See music fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies, Czerny, Op. 740; or Clementi, *Gradu ad Parnassum*; Beethoven, Sonatas.

Music 221a and 221b. Voice. Individual Instruction. **Two hours.**
See music fees.

Topics: Breathing exercises inducive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. **Two hours.**
See music fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. **Two hours.**
See music fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. **Two hours.**
See music fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical *Leider*.

Music 231a and 231b. Violin. Individual Instruction. **Two hours.**
See music fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart *Danca*, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. **Two hours.**
See music fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple and quadruple; finger shifting and bowing exercises; one and two finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, *Selected Studies*; Fiorillo and Parre;

Miscellaneous pieces; One or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. **Two hours.**
See music fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowing of the diminished seventh chord; all scales, ascending and descending on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. **Two hours.**
See music fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

Music 236a and 236b. Violin cello. Individual Instruction. **Two hours.**

See music fees.

Music 238a. Violin. Class Instruction. **One hour.**

Purpose: To give sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; introduction to third position; study, discussion, and practice teaching in the class; and instrumental class procedure and methods.

Books I and II of various beginners methods, three and four part ensemble material, and simple sight reading.

Music 238b. Violin. Class Instruction. **One hour.**

See music fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; and string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginners methods, and supplementary practice and sight reading material.

Music 243a and 243b. Wind Instruments. Individual Instruction. **Two hours.**

See music fees.

Topics: Embouchure; principles of tone production; breathing;

tonguing; phrasing; and theory, including major and minor scales, arpeggi, and easy transpositions.

Universal Teacher, Maddy and Giddings, and Foundation Method, Vereecken.

Music 248a. Wind Instrument Class. **One hour.**

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. (Formerly Music 151.) Harmony I. **Two hours.**

Prerequisite: Music 150.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and minor scales, intervals; triads; dominant seventh with its resolutions; inversions; and harmony at the keyboard.

Music 252. (Formerly Music 152.) Sight Singing and Ear Training I. **One hour.**

Prerequisite: Music 150.

Purpose: To begin development of aural perception of music symbols, to teach association of the symbol with the tone it represents, and to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups, and verbal and tonal dictation, interval drill.

Music 253. (Formerly Music 153.) Harmony II. **Two hours.**

Prerequisites: Music 150 and 251.

Topics: Modulation by dominant seventh, cadence in new key, common chord modulation, dominant ninth, chords of the seventh, and harmony at the keyboard.

Music 254. (Formerly Music 154.) Sight Singing and Ear Training II. **One hour.**

Prerequisite: Music 252.

Topics: More difficult sight singing and tonal dictation, simple harmonic recognition, and more complex rhythms.

Music 302. (Formerly Music 202.) Music History I. **Two hours.**

Purpose: To increase the enjoyment and appreciation of the listener to music through the study of music history.

Topics: The development of music from the earliest times up to the Romantic period, and important facts concerning composers and the like. Extensive use is made of phonograph records.

Music 303. (Formerly Music 203.) Music History II. **Two hours.**

Purpose: To continue the study of Music History begun in Music 302.

Topics: Music from the Romantic period until the present time.

Music 351: (Formerly Music 251.) Harmony III. **Two hours.**
A continuation of Music 253.

Music 352. (Formerly Music 252.) Sight Singing and Ear Training III. **One hour.**

A continuation of Music 254.

Music 353. (Formerly Music 253.) Harmony IV. **Two hours.**

A continuation of Music 351.

Music 354. (Formerly Music 254.) Sight Singing and Ear Training IV. **One hour.**

Music 361. (Formerly Music 261.) Grade methods and Materials. **Two hours.**

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grades, and to acquaint him with methods and materials.

Topics: Same as Music 160, but a more advanced consideration. The course includes observation, and library reading.

Music 362. (Formerly Music 262.) Conducting. **Two hours.**

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton, tempo, attach, release, phrasing, dynamics, seating of the chorus and orchestra, discipline of rehearsals, and community music.

Music 363a and 363b. Teaching of Piano in Classes. **Two hours.**

Prerequisite: Music 213, or the equivalent.

Purpose: To prepare the advanced student for the teaching of class piano in the graded school.

Topics: Methods of teaching piano in classes, observation, and practice teaching.

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Hummell
Mr. Kennamer

Mr. Cox
Mr. Herndon

Miss Krick
Mr. Rumbold

General Science

The two courses in survey of science are designed for elementary teachers and supervisors. They are primarily content courses dealing with the general fields of the biological and physical sciences. The subject matter of these courses include also aims in teaching elementary science, methods of presentation, and ways of collecting, using, and preserving materials for the teaching of science.

Science 110. Survey of Science. **Three hours.** Laboratory fee, \$2.00.

Not open to students who have had one or more courses in the physical sciences.

Purpose: The purpose of this course is to present the field of the physical sciences, their nature and interpretation.

Topics: This course deals with the important topics in physics, chemistry, geology and related subjects.

Science III. Survey of Science. **Three hours.** Laboratory fee, \$1.00.

Not open to students who have had one or more courses in the biological sciences

Purpose: This course is a continuation of Science 110 and presents in broad outline the field of the biological sciences.

Topics: This course deals with the important topics in biology, botany, zoology, and related subjects.

Biology

Mr. Rumbold

Miss Krick

Biology 121. General Biology. **Four hours.** Laboratory fee, \$2.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The

frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system, embryology, homology, and analogy; protective coloration; adaptation, and genetics.

Biology 231. Botany I. General Botany. **Four hours.** Laboratory fee, \$2.00.

Purpose: An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Botany II. General Botany. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 241. Invertebrate Zoology. **Four hours.** Laboratory fee, \$2.00.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa, porifera, coelenterata, ctenophora, platyhelminthes, nemathelminthes, annelida, echinodermata, mollusca, and arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 325. (Formerly Biology 225.) Genetics. **Two hours.**

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 335. (Formerly Biology 235.) Local Flora. **Two hours.**
Prerequisite: Biology 121 or 231.

Purpose: To familiarize the student with the local flora, to instruct in the use of various systematic keys to flora, and to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classifications; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 343. (Formerly Biology 243.) Economic Entomology. **Four hours.** Laboratory fee, \$2.00.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 433. (Formerly Biology 233 and 333.) Plant Diseases. **Three hours.** Laboratory fee, \$2.00.

Prerequisites: Biology 231, or 121 and permission of the instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States, and to acquaint the student with the general problems in the field of plant pathology.

Topics: Typical plant diseases are studied with regard to their symptoms, causes and means of spread; life history of the causal organisms; and economic importance of the disease and methods of control.

Biology 444. (Formerly Biology 244 and 344.) Animal Parasites. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trinchina, whip worm, elephantiasis,

guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Archnida (mites and ticks); Arthoropoda (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 445. (Formerly Biology 245 and 345.) Embryology. **Four hours.** Laboratory fee, \$2.00.

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 481. (Formerly Biology 381.) Animal Physiology. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Biology 121 or 241.

Purpose: This course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

Chemistry

Mr. Cox

Mr. Herndon

The chief function of this department is the training of chemistry and science teachers. However, courses are offered to meet all requirements for medicine, dentistry, engineering and graduate work.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. **Four hours.** Laboratory fee, \$2.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. **Five hours.** Laboratory fee, \$2.00.

Prerequisite: Chemistry 111.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium;

colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. **Four hours.** Laboratory fee, \$2.00.

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 215. Organic Chemistry. **Five hours.** Laboratory fee, \$2.00.

Prerequisites: Chemistry 111 and 112. (112 not required as prerequisites for home economics majors.)

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantitative Analysis. **Five hours.** Laboratory fee, \$2.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric, volumetric, and electrolytic determinations.

Chemistry 312. Advanced Organic Chemistry. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Chemistry 215.

Purpose: To give a general survey of the aromatic organic compounds and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, dizaonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Bio-chemistry. **Five hours.** Laboratory fee, \$2.00.

Prerequisites: Chemistry 111 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in

vitreo; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 411. (Formerly Chemistry 311.) Advanced Quantitative Analysis. **Three hours.** Laboratory fee, \$2.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 415. (Formerly Chemistry 315.) Physical Chemistry. **Five hours.** Laboratory fee, \$2.00.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception of chemical laws and to illustrate interrelationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

Chemistry 430. Problems in Chemistry. **Four hours.** Laboratory fee, \$2.00.

Prerequisite: Senior standing in Chemistry.

Purpose: To develop the student's initiative in laboratory work; to acquaint the student with the methods of research.

Topics: Research in physical, organic, analytical or bio-chemical problems.

Chemistry 570. Special Problems in Chemistry. **Two hours.**

Chemistry 571. Special Problems in Chemistry. **Two hours.**

Geology

Mr. Kennamer

Geology 301. (Formerly Geology 201.) Physical Geography and Geology. **Three hours.** Laboratory fee, \$2.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin, major physiographic features, their origin and influence on man.

Physics

Mr. Hummell

Physics 102. Household Physics. **Three hours.** Primarily for students majoring or minoring in Home Economics.

Purpose: To study the principles of physics and their applications in the home.

Topics: Lectures with experimental demonstrations.

Physics 201. Mechanics, Heat and Sound. **Five hours.** Laboratory fee, \$1.00.

Prerequisites: Mathematics 107, Mathematics 113 or registration in Mathematics 113.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach physics in high school, but also for those students who expect to enter the field of engineering.

Topics: Falling bodies; Newton's laws of motion and applications to practical problems; curvilinear motion; composition and resolution of forces; the laws of equilibrium and their application to various problems; work and energy; machines; momentum; elasticity; simple harmonic motion; hydrodynamics; heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. **Five hours.** Laboratory fee, \$1.00.

Prerequisite: Physics 201.

Purpose: This course is a continuation of Physics 201, and should be taken by the student who expects to teach physics or general science in high school, or to enter the engineering field.

Topics: Electrostatics, the nature of electricity, properties of a moving electric charge (chemical, heating, and magnetic effects), magnetism, Ohm's law, measurement of electrical quantities, sources of electrical energy, Lenz's law, inductance and capacity, alternating current, and electric waves and radio.

Physics 300. Modern Physics. **Four hours.**

Prerequisites: Physics 201, Physics 202, Mathematics 351 or registration in Mathematics 351.

Purpose: To acquaint the student with the general field of modern physics before he studies the special subjects in more detail.

Topics: Historical introduction, some useful mathematics, alternating current, electromagnetic theory of radiation, properties of moving charged bodies, the electron, kinetic theory of gases, thermionics, the photoelectric effect, x-rays and their applications, Bohr theory of spectra, periodic law and atomic structure, critical potentials, radio and television, radioactivity and isotopes, geophysics, astrophysics,

relativity, specific heats, electrical resistance, high frequency sound waves, and recent developments in physics.

Physics 302. Introduction to Physical Optics. **Three hours.**

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion, reflection and refraction, further study of lenses, the telescope, dispersion, facts concerning the spectrum, interference, diffraction, plane polarized light, the electromagnetic theory of light, the quantum theory and origin of spectra, the dilemma.

Physics 304. Advanced Electricity and Magnetism. **Three hours.**

Prerequisites: Physics 201, 202, and Mathematics 351.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism, the electric current, electrostatics, electrolysis, thermo-electricity, electromagnetics, alternating currents, electromagnetic radiation, conduction in gases, and electrons and atoms.

Physics 401. (Formerly Physics 301.) An Advanced Course in Mechanics. **Five hours.**

Prerequisites: Mathematics 352 or registration in Mathematics 352, and Physics 201 and 202.

Purpose: To give the student a firm grasp of the physical principles of theoretical mechanics, leaving aside at first all mathematical developments and all practical applications, except in so far as these contribute to the elucidation of the fundamental physical principles.

Topics: Rest and motion, force and the laws of motion, forces acting on a single particle, statics of systems of particles, statics of rigid bodies, center of gravity, work, motion of a particle under constant forces, motion of systems of particles, motion of a particle under a variable force, motion of rigid bodies, generalized coordinates.

Physics 570. Special Problems in Physics. **Two hours.**

Physics 571. Special Problems in Physics. **Two hours.**

DIVISION OF EDUCATION

Mr. Jones	Mr. Ferrell	Mr. O'Donnell
Mrs. Case	Miss Hansen	Miss Schnieb
Mr. Cuff	Mr. Mattox	Mrs. Tyng
Mr. Edwards		

Training School Staff

Miss Adams	Mr. Grise	Miss Rush
Miss Alvis	Miss Hanson	Miss Story
Mr. Bryant	Miss Lee	Mr. Walker.
Miss Carpenter	Miss Lingenfelter	Miss Williams
Mr. Coates	Miss Pugh	Miss Wilson
		Miss Wingo

Education 102. Introduction to Education. Three hours.

Purpose: To help the student determine his own personal fitness for teaching, to acquaint him with the nature of the profession of teaching, and to aid him in choosing intelligently a teaching field.

Topics: The profession of teaching, the teacher, the teaching process, school organization and control, recent trends in education, the teacher and the community, the child, the curriculum of the public school, education as a field for life work.

Education 111. Educational Psychology. Three hours.

Purpose: (a) To introduce the future teacher to the fundamental principles of educational psychology, (b) to teach the student to apply the psychology of learning to classroom activities, and (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology, heredity and environment, growth and development, incentives and motives, feelings, attitudes and emotions, mental hygiene, intelligence and its measurement, individual differences and the school, the learning process, economy and efficiency in learning, factors influencing learning, transfer of training, reasoning, imagining, and problem solving, the measurement of learning, socialization and guidance.

Education 261. Fundamentals in Early Elementary Education. Four hours.

Purpose: (a) To provide graduated approach to student teaching in the primary grades, (b) organize units of work, both group and individual, (c) introduce methods in teaching grades one, two, and three, (d) learn to make lesson plans, (e) give practice in organizing materials for the between-recitation period, (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings, and by classroom discus-

sion, (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction, and (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 263. Fundamentals in Intermediate Education. **Four hours.**

Purpose: (a) To acquaint the student with the common school problems and activities which arise in the experiences of teachers, (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes, (c) to give practice in organizing units of work for use in the intermediate grades, (d) to give practice in making lesson plans, (e) to introduce some of the devices and methods used in modern teaching, and (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School and by assigned readings and class discussion.

Topics: The meaning and the function of the school, school organization and equipment, class organization, function of the course of study, curricular activities and materials, classroom routine and equipment, community cooperation, standards for observing class work, lesson planning, teaching the elementary school subjects in the later grades, and measuring progress of instruction.

Education 265. Supervised Student Teaching. **Three hours.**

Prerequisite: Education 261 or Education 263.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the elementary school and (2) to acquaint the student teacher with modern devices and materials of elementary education.

Topics: Observation of the activities of the classroom and materials of instruction. Under the training teachers supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 301. (Formerly Education 201.) The Junior High School. **Two hours.**

Purpose: (a) To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school, (b) to give an understanding of the purposes of the junior high school, its organization, and administration, (c) to determine the peculiar objectives and functions of the junior high school education, and (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

Education 304. Materials and Methods for Teaching Vocational Home Economics. **Three hours.**

Prerequisites: Eighteen hours of Home Economics, Education 111, Education 313 or Education 314, and Education 364.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching, methods of presentation of various subjects and topics, observations of teaching, laboratory equipment, types of laboratories, books and periodicals.

Education 305. Educational Sociology. **Two hours.**

Purpose: (a) To investigate the several factors and laws upon which educational theory and practice must rest, (b) to give a concrete picture of the actual conditions and the distinctive characteristics of group life, (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other institutions of the community, and (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the

group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 312. Nursery School Education I. Three hours.

Purpose: To present and evaluate some of the major problems of nursery school education.

Topics: History and administration of nursery schools, health care, curriculum content, guidance, parent education in the nursery school, growth and development of children, organization and management, pre-school education and its literature.

Education 313. (Formerly Education 114 and 213.) Child Psychology. Three hours.

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood, (b) to describe the behavior and activities which may be expected of a child in any stage of development, (c) to teach the student how to observe and to interpret the behavior of children, and (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction, biological foundations, early childhood, motivation, emotion, language, manipulation, play, physical development, mental life, learning, intelligence, character and personality, adolescence, individual differences, and guidance of children.

Education 314. (Formerly Education 214.) Psychology of Adolescence. Three hours.

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence, (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens, (c) to teach students how to solve problems of adolescent behavior, and (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction, physical development, mental development, growth of intelligence, adolescent instincts and interests, emotional life, learning and forgetting, moral and religious development, adolescent personality, disturbances of personality, hygiene of adolescence, prediction of adolescent behavior, and guidance of adolescent behavior.

Education 354. (Formerly Education 164 and 254.) Reading in the Elementary School. **Three hours.**

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices; to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

Education 364. (Formerly Education 264.) Methods of Teaching in the Secondary School. **Four hours.**

Purpose: (a) To provide a graduated approach to student teaching in the high school grades, (b) to give practice in selecting and organizing materials for teaching purposes, (c) to develop a technique of planning instruction, (d) to familiarize prospective high school teachers with the newer forms of teaching technique, (e) to emphasize the desirable outcomes of high school teaching, and (f) to analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time and effort; technique of class management; providing opportunity for pupils' activities; exhibiting useful teaching traits.

Education 335. Guidance. **Two hours.**

Purpose: To acquaint the student with information concerning the various phases of guidance and placement.

Topics: Practical problems connected with guidance and placement, counseling of pupils and parents, survey of guidance materials, counselor's use of materials, and case studies.

Education 368. (Formerly Education 268.) Extra-Curricular Activities in the High School. **Two hours.**

Purpose: To provide a brief survey of the development and organization of extra-curricular activities and to evaluate this phase of secondary education.

Topics: Aims and purposes, school and class organizations, school clubs, athletic activities, school publications, fraternities and sororities, school government, desirable programs.

Education 411. (Formerly Education 311.) Character Education. **Two hours.**

Purpose: To afford the student an acquaintance with the psychology of and the proposed plans for character development.

Topics: Need of character education; objectives of character education; sources of conduct; evolution of conduct; methods of measuring personality and character growth; plans for character development—home training, direct instruction, discipline, codes, honor systems, extra-curricular activities, curricular activities, and religious organizations; the most promising experiments; research needed.

Education 412. Nursery School Education II. **Three hours.** This course is a continuation of Education 312, Nursery School Education I.

Education 413. Problems of Adult Education. **Three hours.**

Purpose: To present and evaluate some of the important problems of adult education.

Topics: Relating adult education to the needs of the individual, selection of teachers, methods of teaching adults, various types of adult education programs, economic problems of adult education, curriculum materials, forums, discussion groups, panels, guidance clinics, and other problems of adult education.

Education 415. (Formerly Education 315.) Advanced Educational Psychology. **Three hours.**

Purpose: (a) To enable the student to study intensively and extensively the major topics of educational psychology as developed in outstanding research studies and textbooks, (b) to improve the student's ability to teach by increased knowledge of how learning occurs, (c) to discuss conditions for effective school work, and (d) to apply the principles of psychology in other school relationships.

Topics: Motivation and adjustment, intelligence and its measurement, psychology of learning, measures of achievement and of personality, psychology in other school relationships.

Education 421. (Formerly Education 321.) Educational Measurement. **Two hours.** Fee, \$1.00.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the

construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 423. (Formerly Education 223.) **Principalship. Three hours.**

Purpose: The purpose of this course is (a) to give the student a knowledge of the problems of the principal, (b) to study and evaluate the activities and responsibilities of the principal, (c) to acquaint the student with the relation of the principal to teaching, supervision, community activities, and the teaching profession, and (d) to present some of the outstanding problems in the administration and supervision of the elementary and secondary schools.

Topics: History and philosophy of the twelve-grade common school, training of the principal, leadership functions of the principal, office organization for business administration, classification of pupils, pupil progress and promotion, administration of buildings and grounds, adaptation of courses of study to individual needs, purchase of supplies and equipment, establishment and administration of libraries, supervision of teaching-learning, measuring the work of the twelve-grade school, problems of transportation, importance of maintaining friendly public relations, problems of articulation, and integration and unification, problems of athletics, extra-curricular activities, and guidance.

Education 431. (Formerly Education 331.) **History and Philosophy of Education. Three hours.**

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization, (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage, and (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline; educational influences of

Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 441. (Formerly Education 341.) The Elementary School Curriculum. **Three hours.**

Purpose: (a) To acquaint the student with the literature on curriculum construction, and (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education, function of the school, function of the curriculum, the curriculum as related to the objectives of education, criteria for evaluating curricula, and need and procedure for curriculum construction and revision.

Education 442. Organization and Administration of Elementary Education. **Three hours.**

Purpose: To present the important phases of the organization and administration of the elementary school.

Topics: Aims and objectives of the elementary school, types of elementary school organization, time allotments, attendance, library service, classification and promotion of pupils, health, publicity, special classes, plant, office management, organization for supervision, the principal and his opportunity for leadership.

Education 451. (Formerly Education 351.) Rural School Supervision. **Three hours.**

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools, (b) to assist the student in planning and administering a desirable supervisory program, (c) to give instruction in the use of the various agencies of supervision, and (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; gradation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and corre-

spondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

Education 452. (Formerly Education 352.) County School Administration. **Three hours.**

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools, (b) to present a desirable philosophy of rural education, and (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendent; powers, duties and qualifications of the members of the county board of education; school organization and control; the county unit system; the school plant, location, equipment, and care of buildings; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems; playgrounds and playground equipment; problems of small schools, especially of one, two and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the county superintendent as secretary of the county board; relations between the superintendent and the board; bookkeeping of the county superintendent; budget-making; making the salary schedule; selection, placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

Education 461. High School Administration. **Three hours.**

Purpose: To present the fundamental principles of high school organization and administration.

Topics: Secondary school organization, the principal, the staff, the pupils, program of studies, schedules, community relationships, records and reports, articulation, library, plant, finance, and other important topics pertaining to the high school.

Education 462. Problems of Secondary Education. **Two hours.**

Purpose: The purpose of this course is to present the problems of secondary education.

Topics: The development of secondary education, organization, staff, departmentalization, housing and equipment of various types of high schools, and other problems pertaining to secondary education.

Education 463. (Formerly Education 363.) **Student Teaching.** Six or three hours.

Prerequisites: Education 261, 263, or 364.

Purpose: The purpose of this course is (1) to develop the skills, techniques, and controls necessary to successful classroom teaching, and (2) to acquaint the student teacher with modern devices, materials, and methods of teaching.

Topics: The student teacher observes the activities of the classroom, studies the children and the subject matter he intends to teach. Lesson plans are made under the direction of the critic teacher and directions are given by the critic teacher for the performance of routine duties. Student teachers meet the training teacher under whom they work for one hour of conference period daily.

Education 540. Problems of Elementary Education. **Two hours.**

Purpose: To present and evaluate the important problems in elementary education.

Topics: Nature and function of the elementary school, professional training of teachers, curriculum, records and reports, library, plant, laboratory work, activities, and other important problems of elementary education.

Education 541. Elementary Supervision. **Three hours.**

Purpose: To give the student a thorough knowledge of the principles and problems of supervision in the elementary school.

Topics: Nature and purpose of modern supervision, effect of recent trends in education upon supervisory theory and practices, participation of teachers in the determination of educational policies, duties and relationships of the different supervisory officials, standards for judging teachers and learning conditions, evaluating observations, methods of improving instruction, adapting supervision to the needs of teachers, teachers' meetings, curriculum revision, and other direct and indirect means of supervision.

Education 542. Statistical Methods Applied to Education. **Three hours.**

Purpose: To give the student a practical knowledge of the meaning, methods of calculation, and applications of statistical methods; to give him facility in the handling of quantitative data necessary in the development of certain theses.

Topics: Uses and misuses of statistics, use of the calculating machine, methods of calculation of statistical measures, reliability of measures, theory of probability, application of statistical measures to educational data.

Education 558. (Formerly Education 358.) **Public School Finance.** **Two hours.**

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems

of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities, the units of school support, apportioning the benefits and the sources of public school revenue.

Education 570. Seminar. Two hours.

Education 571. Seminar. Two hours.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Dr. Farris	Miss Hood	Mr. McDonough
Mr. Carter	Miss Hughes	Mr. Rankin
Mr. Hembree	Mr. Hughes	Mr. Samuels
	Miss White	

Health

Dr. Farris	Miss Hood	Mr. McDonough
Mr. Carter	Miss Hughes	Mr. Samuels
Mr. Hembree	Mr. Hughes	Miss White

Health 100. Personal Hygiene. **Two Hours.** Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. Public Hygiene. **Three hours.**

Purpose: To study the fundamental principles of public hygiene and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Micro-organisms in relation to sanitation, personal and public hygiene, food protection and preservation, the protection of the water and milk supply, immunization and control of communicable diseases, home and school sanitation; social and economic aspects of health problems, health administration, function and authority of health officers, etc.

Health 202. First Aid to the Injured. **One hour.** Fee, 50c.

Purpose: To prepare the prospective teacher, by demonstration and practice, to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.)
Two hours.

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliances for the comfort of a patient; special treatment for particular and peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Applied Bacteriology. **Five hours.** Laboratory fee, \$2.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique, sterilization, preparation of culture media, isolation and identification of bacteria, efficiency of disinfectants and control of communicable diseases, and determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 362. Individual Gymnastics. **Two hours.** Fee 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. **Two hours.**

Purpose: A presentation of the general principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and observed.

Topics: General objectives of the health program, health set-ups and practices, and materials suitable for primary and intermediate grades.

Health 404. Microbiology of Foods. **Five hours.** Laboratory fee, \$2.00.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation, food poisoning, food preservation, canning, pickling, and use of chemicals in food preservation.

Health 460. Health Protection and Instruction in the Secondary School. **Two hours.**

Purpose: A course designed to acquaint the student with existing practices in Health Education.

Topics: Principles, organization and administration of the school health program, and the presentation of materials suitable for use in the junior and senior high schools.

Health 570. Special Problems in Health. **Two hours.**

Health 571. Special Problems in Health. **Two hours.**

Physical Education

Mr. McDonough

Miss Hood

Mr. Rankin

Mr. Hembree

Miss Hughes

Mr. Samuels

Mr. Hughes

Physical Education 110. Fundamental Physical Education Activities. **One hour.** Fee, 50c.

Purpose: To cultivate in the individual a desirable attitude toward play in relation to the proper use of leisure time, and to teach activities which will be of value to the teacher in the primary and intermediate grades.

Activities: Section A. Plays, games and story plays.

Section B. Women.—Folk games and rhythms.

Men.—Team games—fundamental skills and tests.

Physical Education 200. Fundamental Physical Education Activities. **one hour.** Fee, 50c.

Purpose: To cultivate in the student a desirable attitude toward play in relation to the proper use of leisure time.

Activities: Section C. Swimming.

Section D. Women.—Team games—fundamental sport and self-testing activities.

Men.—Self-testing activities—combative activities or rhythms.

Physical Education 250. Scouting and Clubcraft. **Three hours.** (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft is emphasized; scoutmaster's certificate is awarded to each student completing the course.

Physical Education 251. Clubcraft. **Three hours.** (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 260. Coaching Football and Basketball. **Two hours.** (Men.) Fee, 50c. (Football, first nine weeks; basketball, second nine weeks.)

Purpose: A course offered to give players and prospective coaches a practical and theoretical background.

Topics and Activities: General principles, systems, rules, and officiating equipment and schedules.

Physical Education 265. Coaching Spring Sports. **Two hours.** (Men.) Fee, 50c. (Track and field, first nine weeks; baseball, second nine weeks.)

Purpose: A course designed to give players and prospective coaches, a practical and theoretical background.

Topics and Activities: General principles, coaching hints, training methods, organization of field days, equipment, and schedules.

Physical Education 275. Clog and Character Dancing. **One hour.** Fee, 50c.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Stunts, athletic dancing; folk, character and clog steps.

Physical Education 276. (New.) Advanced Clogging. **One hour.** Fee, 50c.

Prerequisite: Physical Education 275.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Advanced clogs and athletic dances.

Physical Education 300. Folk and National Dancing. **One hour.** Fee, 50.

Purpose: To acquaint the student with representative folk and national dances.

Topics: American and English country dances, Morris and sword dances, and other national dances.

Physical Education 366. (Formerly Physical Education 266.) Materials and Methods for Teaching Physical Education. **Two hours.**

Purpose: A course designed for the classroom teacher and for playground leaders.

Topics: Theories of play, study of existing play programs, correlation with other subjects, achievement standards and tests, games, skills, lesson planning and observation, and a review of materials and activities suitable for the primary and intermediate grades.

Physical Education 367. (Formerly Physical Education 267.) Physical Training Activities. **Two hours.** Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics, dancing, free exercise, hand apparatus, mimetics and games, and stunts.

Physical Education 368. (Formerly Physical Education 268.) Advanced Physical Training Activities. **Two hours.** Fee, 50c.

Prerequisite: Physical Education 367.

Purpose: Continuation of Physical Education 367.

Topics: Advanced tactics, drills for demonstration, natural exercises, pyramid building, games, opportunity for leadership and observation.

Physical Education 463. (Formerly Physical Education 363.) History and Principles of Physical Education. **Three hours.**

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education, sources and data of principles, aims and objectives, psychology of Physical Education, and standards and tests.

Physical Education 468. (Formerly Physical Education 368.) Administration and Organization of Physical Education. **Two hours.**

Prerequisites: Physical Education 366, 367, 368.

Purpose: This course is designed for minors and majors in health and physical education, and deals with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems; grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark
Mrs. Barnhill

Miss Buchanan
Mr. Keene
Mr. Houchell

Mrs. Murbach
Miss Rush

English

Mr. Clark
Mrs. Barnhill

Miss Buchanan

Mr. Houchell
Mr. Keene

English 101. Oral and Written Composition. Three hours.

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. Three hours.

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. Three hours.

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. Two hours.

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to give some training in managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc.; kinds and methods of journalistic writing and practice in each; headlines; make-up; copy, proof reading; organization of staff.

English 216. (Formerly English 316.) The Short Story. Two hours.

Prerequisites: Freshman English and one course in literature.

Purpose: To compare many types of stories and methods of construction, to present the development of the short story, to acquaint the student with the best stories of the world and the best writers of stories, to set up some criteria for judging a short story.

Topics: The technique of the short story, the development of the short story as a literary type, romanticism and realism in stories, the short story in America, short stories for the high school, the writing of a story or of a paper.

English 218. Survey of Literature I. Three hours.

Prerequisites: English 101 and 102.

Purpose: To bring within student experience the content of selected world literature from ancient times to the end of the Renaissance, considered against the background of the life, tradition, and history of the various peoples and periods presented; to trace the development of the chief types of literature; to give some guidance in literary appreciation and in the selecting of suitable material from this field for the upper grades and high school.

Topics: Oriental literature, Hebrew religious literature, the popular epic and the literary epic, classical drama, Teutonic myth and saga, medieval legend and romance, rise of religious drama, Italy and the Renaissance, rise of lyrical poetry, history and biography, philosophical writings, Renaissance drama in England; satiric narrative prose.

English 219. Survey of Literature II. Three hours.

Prerequisites: English 101, 102, and 218.

Purpose: To continue the method of study as outlined in English 218, to apply this method to the major movements and trends in the literature of Western Europe and America in the eighteenth and nineteenth centuries.

Topics: The New Classicism; the Romantic Movement in France, Germany, England, and America; the great Victorians; the rise of

realism in France and Russia; its extension in England and America; Ibsen and the modern drama.

English 231. Public Speaking. Three hours.

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. Three hours.

Prerequisites: English 101 and 102.

Purpose: To pursue a somewhat systematic study of children's literature in order that the primary teacher may know and appreciate the best in this particular field.

To give the student a rich background from a rather wide reading of children's books in order that she may be capable of guiding children's reading.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics; Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, and children's poetry. Picture books and modern illustrators of children's books will also be studied. Methods of teaching literature in the primary grades are incidentally touched upon.

English 264. Story Telling. Two hours.

Prerequisite: English 261.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story; uses of the story in schoolroom subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. Two hours.

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax,

and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 266. Literature for the Intermediate Grades. **Three hours.**

Prerequisites: English 101 and 102.

Purpose: To offer the student opportunity for making a wide acquaintance with books for children of the intermediate grades so that they may share more fully with the children the pleasures of good reading.

Topics: This course includes extensive reading of the following types of children's literature; myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. The study will be sufficiently detailed to give a good basis for the appreciation, selection, and presentation of the best and most suitable material for the intermediate grades.

English 301. Advanced Composition. **Three hours.** Required of juniors and seniors who have less than six hours of freshman English.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 305. (Formerly English 205.) Argumentation. **Three hours.**

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument; fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 311. Shakespeare. **Three hours.**

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's English and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theatre, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 314. The Novel. Three hours.

Prerequisites: Freshman English and at least one course in literature.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 315. (Formerly English 215.) Nineteenth Century Essays. Two hours.

Prerequisites: Freshman English and at least one course in literature.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; and analysis of the prose style of some of the essayists; oral and written reports.

English 317. (Formerly English 217.) Contemporary Literature. Two hours.

Prerequisites: Freshman English and at least one course in literature.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 318. (Formerly English 213.) American Literature. Three hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of

literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism; disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studies, values and elements of appeal for the upper grades and high school.

English 321: Romantic and Victorian Poets. Three hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To trace the development and culmination of the Romantic Movement and present the various elements that compose it; to familiarize the student with the main characteristics of Victorianism as revealed in its leading poets; to help the student interpret the spirit of these periods through their poetry.

Topics: The rise of Romanticism; Wordsworth and Coleridge; Scott and Southey and Byron; Shelley and Keats; social, religious, industrial and intellectual unrest; the Oxford Movement; the Pre-Raphaelite Brotherhood; Tennyson; the Brownings; Arnold and religious unrest; Swineburne, Morris, and the Rossettis.

English 362. (Formerly English 262.) Play Production. Three hours.

Prerequisites: English 101 and 102.

Purpose: To prepare the student to produce plays in school and community organizations.

Topics: Organization and duties of the producing staff; costuming and make-up; theory of scenery construction; use of color on stage; lighting equipment; choosing plays and casts; rehearsing; collateral reading in the theory of play coaching and in plays suitable for amateur production. Wherever possible, practical work in public presentations will be afforded.

English 412. (Formerly English 312.) Contemporary Drama. Three hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and

of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 421. Renaissance and Elizabethan Literature. Three hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student a fuller understanding of the Renaissance movement and of its manifestations in English literature and life, to acquaint him with a large number of writers of the early Renaissance and Elizabethan ages, and to familiarize him with as many as possible of the most important writers and writings.

Topics: The spirit of the Renaissance; the influence of Italian and other continental literatures; the early English humanists; Elizabethan enthusiasm; Elizabethan language; new literary influences; chief literary forms; Spencer, Sidney, Bacon, Marlowe, Shakespeare, Johnson; other dramatists and lyricists.

English 423. (Formerly English 323.) Milton and the Puritan Period. Two hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton; to present the whole body of his poetry; to present the Puritan Age as a whole.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*; other writers of the period.

English 424. (Formerly English 324.) Chaucer and Medieval Story. Two hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; and of the social and moral ideals which they reveal.

English 425. The Age of Classicism. Two hours.

Prerequisites: Freshman English and two courses in literature.

Purpose: To trace the development of the classic spirit in English literature from 1660 to 1784; to study classicism as a literary force; to acquaint the student with the leading expressions of English classicism; to interpret the life and spirit of the period through these writings.

Topics: Social backgrounds of classicism; Restoration drama as a reaction against Puritanism; Dryden and the rise of the critical spirit; French and Graeco-Roman influences; the literary dictatorship of Dr. Johnson; the decay of literary patronage; new tendencies in Thompson, Cowper, Gray, Chatterton, Goldsmith, and Crabbe.

English 435. (Formerly English 335.) Interpretative Reading. **Three hours.**

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 441. (Formerly English 341.) History of the English Language. **Three hours.**

Prerequisite: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 461. (Formerly English 361.) Kentucky Literature. **Two hours.**

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings; antebellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present-day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

English 570. Problems in High School English. **Two hours.**

English 571. Problems in High School English. **Two hours.**

French

Mrs. Murbach

French 101. (Formerly French 151.) Elementary French. **Three hours.**

Purpose: To begin the study of the structure of one of the

great living languages and to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: Phonetics, pronunciation, vocabulary, parts of speech, sentence structure, conversation in French on material studied in a reader.

French 102. (Formerly French 152.) Elementary French. **Three hours.**

Prerequisite: French 101 or one unit of high school French.

Purpose: To continue the study begun in French 101.

Topics: Continuation of the study of grammar begun in French 101, two hundred pages of reading material serving as basis for oral work.

French 201. (Formerly French 251.) Intermediate French. **Three hours.**

Prerequisites: French 101 and 102 or two units of high school French.

Purpose: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: Grammar review, short history of French literature, and translation of news items in a French newspaper.

French 202. (Formerly French 252.) Intermediate French. **Three hours.**

Prerequisite: French 201 or three units of high school French.

Purpose: To continue the study begun in French 201.

Topics: Grammar review, French newspaper, and three French classics.

French 203. (Formerly Foreign Language 253.) French Civilization. **Two hours.**

Purpose: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved. It is conducted entirely in English.

Topics: Lectures and assigned readings on French history, politics, art, literature and music.

French 301. (Formerly French 254.) French Prose Classics. **Three hours.**

Prerequisite: Two years of college French or the equivalent.

Purpose: To develop power to read French rapidly, to increase facility in the use of spoken French, and to add to the student's knowledge of French literature.

Topics: "Intensive" reading of a number of French prose classics with emphasis on the language structure, and "extensive" reading of works by representative prose writers from the Middle Ages to the nineteenth century.

French 302. (Formerly French 255.) French Prose Classics. **Three hours.**

Prerequisite: French 301 or its equivalent.

Purpose: To continue the study begun in French 301.

Topics: Study of selected prose works of the nineteenth and twentieth centuries.

French 401. French Drama and Poetry. **Three hours.**

Prerequisite: Two years of college French or its equivalent.

Purpose: To follow the rich stream of French drama and poetry from the Middle Ages to the nineteenth century, and to develop the student's capacity to express his opinions in French on the works which he is studying.

Topics: The medieval period, the Renaissance, the Golden Age, the critical eighteenth century.

French 402. French Drama and Poetry. **Three hours.**

Prerequisite: French 401, or its equivalent.

Purpose: To continue the study begun in French 401.

Topics: Romanticism, realism, the Parnassus school, symbolism, and contemporary tendencies in poetry and drama.

French 403. (Formerly French 350.) French Seminar. **Three hours.**

Purpose: This course is designed to round out as much as possible the major work in French, giving a view of the subject as a whole, supplementing at points which have of necessity been neglected and discussing problems for study in the future as the student goes into the teaching field or the graduate school.

Topics: (a) Rapid review of the great schools of prose, drama and poetry; (b) weekly compositions on assigned subjects in French literature; (c) conversation in the salon manner on problems of interest to the language student.

Latin

Miss Rush

Latin 115. Elementary Latin. **Three hours.**

Not open to students who presented Latin for college entrance.

Purpose: This course is organized to meet the need of those students who have had no Latin in high school and wish to begin the study of it in college that they may acquaint themselves with the mechanics of Latin to: (a) satisfy the language requirement for (1) a degree, (2) a major in English, (3) a major in Foreign Language; (b) satisfy pre-medical or other pre-professional requirements; (c) begin a study of the language for its general cultural value.

Topics: (a) Pronunciation; declension of nouns, adjectives and pronouns; indicative and infinitives of all conjugations with the simple uses of the subjunctive; (b) acquisition of the fundamental principles of the language and the ability to read simple Latin prose dealing with Roman home life, mythology and Roman history.

Latin 116. Intermediate Latin. **Three hours.**

Prerequisite: One unit of high school Latin or Latin 101.

Purpose: This course is a continuation of Latin 101.

Topics: (a) Selections read in Latin are from Caesar and a wide range of authors of equal difficulties, with a continued emphasis on mastery of vocabulary, inflection, syntax, and their application to English; (b) collateral reading on Roman history and society; (c) training in the understanding of Latin in the Latin order.

Latin 205. Vergil's Aeneid. Three hours.

Prerequisites: Open to students presenting two or three units of Latin for entrance or to those who have completed Latin 101 and 102.

Purpose: (a) To introduce the student to Latin poetry; (b) to give continued practice in the reading and translation of Latin; (c) to develop an appreciation for Vergil's place in Latin literature; the Aeneid, its story, its dramatic setting and background; its influence on later, and especially, English literature; its historical and mythological references.

Topics: (a) Selections from the twelve books of the Aeneid of Vergil; (b) selections from other works of Vergil for comparative study; (c) study of Augustan age; (d) study of metrical form and structure of the poem, scansion and reading of dactylic hexameter; (d) study of some of allusions in English literature to Vergil's Aeneid; along with this work, there is a thorough grounding of the student in the inflections and constructions of Latin.

Latin 301. (Formerly Latin 104.) Selections from Livy. Three hours.

Prerequisite: Three units of high school Latin or the equivalent.

Purpose: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Mommson, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 302. (Formerly Latin 108.) Selections from Horace. Three hours.

Prerequisite: Three units of high school Latin, or the equivalent.

Purpose: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in Latin 301 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan

Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translation of Horace's poems.

Latin 401. (Formerly Latin 201.) Latin Prose of the Silver Age. **Three hours.**

Prerequisite: Latin 304, or the equivalent.

Purpose: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus' *Agricola*; (c) selected readings from other representative writers.

Latin 402. (Formerly Latin 202.) Satire and Epigram. **Three hours.**

Prerequisite: Latin 304 or the equivalent.

Purpose: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of satire in Latin literature with assignments from Horace; (d) study of satire in English; (e) study of epigram as a literary expression.

Latin 403. (Formerly Latin 203.) Latin Literature of the Early Empire. **Three hours.**

Prerequisite: Latin 304, or the equivalent.

Purpose: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: Politics, education, literature, philosophy, social types, and town and country life.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Caldwell

Mr. Engle

Miss Derrick

Mathematics 107. College Algebra. Three hours.

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. Three hours.

Prerequisite: Mathematics 107.

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 160. Teachers' Arithmetic. Three hours.

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 207. (Formerly Mathematics 103.) College Algebra. Two hours.

Prerequisites: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of mathematical induction, binomial theorem, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 232. Analytic Geometry. Five hours.

Prerequisites: Mathematics 107 and 113.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 321. (Formerly Mathematics 221.) General Astronomy. **Three hours.**

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 342. (Formerly Mathematics 341.) Elementary Statistical Methods. **Two hours.**

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems, (b) To familiarize the student with the use of the graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, and graphic methods.

Mathematics 351. (Formerly Mathematics 251.) Differential Calculus. **Five hours.**

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical applications of differential calculus.

Topics: Theory of limits, differentiation, simple application of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 352. Integral Calculus. **Three hours.**

Prerequisite: Mathematics 351.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Content: This course includes a study of integrations, definite integrals, integration of rational fractions, reduction formulas and successive integration.

Mathematics 407. (Formerly Mathematics 307.) Theory of Equations. **Three hours.**

Prerequisites: Mathematics 107, 113, 207.

Purpose: To acquaint the student with theory of algebra equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 453. (Formerly Mathematics 353.) Differential Equations. **Three hours.**

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second

order, systems of simultaneous equations, and partial differential equations.

Mathematics 467. (Formerly Mathematics 367.) Teaching of High School Mathematics. **Three hours.**

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purposes: (a) To give instruction in the aims and importance of high school mathematics; (b) to give the student a knowledge of the development of mathematics and its place in the secondary school; (c) to give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

Mathematics 554. Advanced Calculus. **Three hours.**

Prerequisite: Mathematics 352.

Purpose: To fulfill the need of a more extensive course than that given in elementary calculus.

Topics: This course covers indeterminate forms, power series, partial differentiation, implicit functions and applications to geometry.

Mathematics 555. Advanced Calculus. **Three hours.**

Prerequisite: Mathematics 354.

Purpose: To continue study begun in Mathematics 354.

Topics: This course covers the definite integral, the gamma and beta functions, line surface and space integrals, Bessel functions and partial differential equations.

DIVISION OF SOCIAL SCIENCES

Mr. Kennamer
Mr. Adams
Mr. Burns

Mr. Dorris
Miss Floyd
Mr. Keith

Miss McKinney
Mr. Moore

Economics

Mr. Moore

Economics 124. Economic History of Europe. **Three hours.**

Purpose: To familiarize the student with the history of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the ancient and the medieval periods are not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance in the principal European nations.

Economics 230. (Formerly Economics 125.) Principles of Economics. **Three hours.**

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Economics 231. (Formerly Economics 222.) Principles of Applied Economics. **Three hours.**

Prerequisite: Economics 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation

and ownership, financing the government, the revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Economics 310. (Formerly Economics 210 and 321.) American Economic History. **Three hours.**

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Historical development of commerce, industry, transportation, banking, labor problems, business organization, monetary problems and agriculture in the United States.

Economics 324. (Formerly Economics 224.) Money and Banking. **Three hours.**

Prerequisite: Economics 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Economics 430. (Formerly Economics 330.) Public Finance. **Three hours.**

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, and taxation—its meaning and development, some of the requisites of a sound system, the distribution of the tax burden, means of escape from taxation, the general property tax, modified property tax, taxes on corporations, consumption and other excise taxes, taxes on incomes, and estate and inheritance taxes.

Economics 510. State and Local Taxation. **Three hours.**

Purpose: To familiarize the student with the theories and practices of taxation in a modern state.

Topics: The general property tax; the classified property tax; the separation of sources of revenue; the taxation of banks, public utilities, banks, mines, rural estate, urban estate; income taxes; in-

heritance and estates taxes; sales taxes; budgeting; tax administration; treasury administration.

Economics 520. History of Economic Thought. **Three hours.**

Purpose: To familiarize the student with the history of economic thought from the ancient period to the present day.

Economics 530. Contemporary Economic Thought. **Three hours.**

Purpose: To familiarize the student with present-day economic theory.

Geography

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. **Three hours.** Fee 50c.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the continents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 202. Climatology. **Three hours.** Laboratory fee \$2.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 221. (Formerly Geography 121.) Economic Geography of the Industries. **Three hours.**

Purpose: (a) To give the student a view of the business field, (b) to acquaint the student with the major industries of the world and the principal factors influencing domestic and international trade,

(c) to give the student a background for study in international relations and world problems.

Topics: The more important agricultural products, cereals, starch foods, forage crops, vegetable crops, fruit crops, wine industries, sugar, vegetable oils, condiments and tobacco, vegetable fibers, non-food vegetables; the animal food stuffs, animal fibers, furs, skins; the mining industries; manufactures; aluminum, automobile, copper, chemicals, textiles, leather, iron and steel, paint, petroleum, rubber, etc.; trade routes, inland in North America and international trade routes; world trade centers.

Geography 271. Geography of North America. Three hours.

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 301. (Formerly Geography 201.) Physical Geography and Geology. Three hours. Laboratory fee, \$2.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present-day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Geography 305. (Formerly Geography 205.) Economic and Historical Geology. Three hours. Laboratory fee, \$2.00.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits; evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of com-

mon rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 372. (Formerly Geography 272.) Geography of Europe. **Three hours.**

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 373. (Formerly Geography 273.) Geography of Latin America. **Three hours.**

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America: historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and physiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 461. (Formerly Geography 261 and 361.) Materials and problems in the Teaching of Geography. **Two hours.**

Prerequisite: Six hours of geography.

Purpose: (a) To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 471. (Formerly Geography 371.) **Geography of World Problems. Three hours.**

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 473. (Formerly Geography 374.) **Geography of Asia. Three hours.**

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the exploration and exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—the threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 474. **Geography and Geology of Kentucky. Two hours.** Fee, 50c.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic environment, and (d) the many responses man has made or could make in making a living in the state.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 475. Geography of Africa and Australia. **Three hours.**

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of two continents, Africa and Australia, that will enable him to understand the civilizations, the environment and the human activities of each.

Topics: Structure; physiography; climate; vegetation; population; exploration; exploitation; position in world's affairs; agricultural resources; transportation facilities; climatic and physiographic regions; foreign trade and foreign interests; comparisons and contrasts with other continents; the geographic advantages and disadvantages; changes resulting from World War and post-war conditions; present day problems and their geographic background.

Geography 477. (Formerly Geography 377.) Conservation of Natural Resources. **Three hours.**

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuels, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminum, silver, uranium and radium; the human resources; agricultural losses.

Geography 501. Geography of Cultures. **Three hours.**

Prerequisites: It is recommended that the student have a good foundation in geography, history, and literature.

Purpose: To study the distribution of the world cultures and how that distribution came about.

Topics: A description of the racial, linguistic and cultural characteristics of the great nations of the world; their manners, customs, literature, legal systems, architecture, and temperamental characteristics. The principal cultures studied are the Latin, Germanic, Oriental, and Mexican. An effort will be made to survey the strong and weak parts of the cultures of the ancients as the Mayas, the Incas, the Aztecs, the Moors, the Phoenicians. The nations of the world are ranked according to their attainments in the various fields of activity.

Geography 548. (Formerly Geography 448.) Historical Geography. **Three hours.**

Prerequisites: Six hours of history and 6 hours of geography.

Purpose: To show the underlying geographic factors in ancient and modern civilization.

Topics: (1) Geographic influences in ancient Egyptian, Mes-

potamian, Greek and Roman civilizations, (2) the geography of Europe in the development of the nations of medieval and modern Europe, (3) the geographic background of the culture of the Aztecs, Incas, and North American Indians, (4) the historical geography of the United States, the expansion of the American people, American expansion in the Pacific, the Gulf and Caribbean regions, immigration, growth of cities, geography and the future of the United States.

Geography 570. Special Problems in Geography and Geology. **Two hours.**

Geography 571. Special Problems in Geography and Geology. **Two hours.**

Government

Mr. Keith

Mr. Burns

Mr. Dorris

I. AMERICAN GOVERNMENT

Government 111. American Government and Citizenship. **Three hours.**

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, state and national government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organization of government and its just function.

Government 311. Problems of American Government. **Three hours.**

Prerequisite: Government 111.

Purpose: To teach problems of government; to give the student some idea of the evils consequent to government, with ideals of correct government.

Topics: Problems connected with municipal, state, and national government; newer modes in organization and operation of government; problems connected with the franchise; various franchises in municipalities and contracts of state and nation; problems of incidence, levy and collection of taxes and appropriation of moneys.

Government 411. International Diplomacy. **Three hours.**

Prerequisite: Government 111.

Purpose: To consider the relations among the leading nations of the world.

Topics: Leading negotiations and treaties among the nations together with diplomatic and consular affairs in general.

II. FOREIGN GOVERNMENT

Government 351. English Government. **Three hours.**

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of these nations.

Topics: The rise of governmental institutions of England, and her influence among the nations, kingship, parliament, cabinet, ministry, privy council, and the Swiss system of government and her democracy.

Government 452. (Formerly Government 352.) Foreign Government. **Three hours.**

Prerequisite: Government 111.

Purpose: To acquaint the student with the political systems and political writings concerning France, Italy, Germany and Russia, and possibly with some of the newer governments, where time permits.

Topics: Such topics as naturally arise in the study of these governments.

History

Mr. Keith
Mr. Adams

Mr. Burns

Mr. Dorris
Miss Floyd

HISTORY OF CIVILIZATION

History 141. History of Civilization. **Three hours.**

Purpose: This is a survey course in the history of civilization covering ancient and medieval history.

Topics: Rise of ancient governments, the city state in Greece, Grecian art and architecture, the rise of imperial government in Rome, the influence of the Roman legal system, the rise of the church and of nations in Europe.

History 142. History of Civilization from 1500 to the Present. **Three hours.**

Purpose: This course is sequential to History 141. It is a survey course in modern world history.

Topics: The continued rise of modern states with the development of their governments and political parties, the renaissance and reformation, dynastic and international wars, the rise of labor-capital disputes, the rise and development of the socialist party, the World War and its aftermath.

1. AMERICAN HISTORY

History 202. American History. **Three hours.**

Purpose: This is a survey course in American history, designed to familiarize the student with the general content from the dis-

covery to the time of Andrew Jackson. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation; the War of 1812; the beginning of the slavery controversy leading to final disruption.

History 203. American History. Three hours.

Purpose: This is a survey course designed to acquaint the student with the general content of American history from the time of Andrew Jackson to the present. Some effort is made to present the subject matter with the best methods of teaching and the literature of the course in mind.

Topics: The slavery contest to the climax in the Civil War, then the story of the negro to the present; the tariff question and its bearing on sectionalism; mechanical inventions; foreign wars; banking and currency; industrialism, and the rise of "Big Business."

History 300. Recent and Current World History. Three hours.

Purpose: The purpose of this course will be to consider the recent and current history of the leading nations of the world. An attempt will be made to read the newest books and periodicals on the subject.

Topics: Economic, industrial, political, religious affairs of the nations considered.

History 301. American History. Two hours.

Prerequisite: History 202 or History 203.

Purpose: This course is designed to bring the study of America from the World War to the Present.

Topics: Reconstruction after the Civil War, organized "Big Business," commerce, expansion, imperialism, tariff, foreign relations, current politics.

History 405. (Formerly History 305.) History of the American West, 1763 to 1890. Three hours.

Prerequisite: History 202 or History 203.

Purpose: To show the relation of the development of the West to American History

Topics: Advancement of the American frontier, Indian Wars, irrigation, political relations of the West to the nation, development of democracy, education, territorial acquisitions.

History 406. (Formerly History 306.) History of the American South. Three hours.

Prerequisite: History 202 or History 203.

Purpose: This course attempts to acquaint the student with the historical literature and the history of the South in its relation to the Union.

Topics: Settlement, peoples, religion, government, education, social and economic conditions, relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 446. (Formerly History 346.) Latin-American History. **Two hours.**

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: History and government of the nations involved.

History 501. Seminar in American History. **Two hours.**

II. EUROPEAN HISTORY

History 240. History of Medieval Europe. **Three hours.**

Prerequisite: History 141.

Purpose. To familiarize the student with the general content of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period covered.

Topics: The migration of the tribes, the rise of nationalities, the medieval church, Crusades, the feudal system, and the Hundred Years' War.

History 241. European History from 1500 to 1715. **Three hours.**

Prerequisite: History 141 or 142.

Purpose: This course continues the survey of European History. The general content of history and literature of the period is studied.

Topics: The Reformation and the religious wars; international rivalries and dynastic wars for aggrandizement; the rise of other nations; social, economic and industrial history; beginnings of liberalism; the development of political, educational and economic institutions.

History 343. (Formerly History 344 and 444.) European History from 1715 to 1815. **Two hours.**

Prerequisite: History 240 or 241.

Purpose: This course continues the survey of European History.

Topics: The Industrial Revolution among the nations, wars partly consequent upon that revolution, rising imperialism among the nations, the French Revolution, and reconstruction of the continent of Europe.

History 344. (Formerly History 345 and 445.) European History from 1815 to the Present. **Three hours.**

Prerequisite: History 240, 241, or 343.

Purpose: This course completes the survey of European History.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of Socialism—Karl Marx; wars of the century; the merging of

the Germanic body into the German Empire; the rise of modern Italy the struggle for naval, industrial, and economic mastery and the deluge of the World war; the aftermath of the war.

History 440. Modern Germany from 1789 to the Present. **Three hours.**

Prerequisite: History 343 or 344.

Purpose: A more intensive study of German history than is possible in History 343.

Topics: Political, social, economic, and intellectual developments; effects of the French Revolution and the Napoleonic Wars; revolutionary movements after the Congress of Vienna; formation of the German Empire; domestic and international developments from 1870 to 1914; the World War; the German Republic and the Hitler Revolution.

History 443. The French Revolution and Napoleon. **Three hours.**

Prerequisite: History 343.

Purpose: To give basis for better understanding of revolutionary and democratic developments in the nineteenth and twentieth centuries.

Topics: A survey of the Old Regime with emphasis on the causes of the Revolution; a detailed study of the Revolution and the Napoleonic Empire.

History 541. Seminar in European History. **Two hours.**

III. ENGLISH HISTORY

History 242. English History to the Stuarts. **Three hours.**

Purpose: To give the student a general review of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon, advance toward nationality, the Norman invasion, English feudalism, the Hundred Years' War, legal and political development, the Wars of the Roses and the fall of Feudalism, and the Tudor monarchy.

History 342. (Formerly History 442.) English History from 1714 to the Present. **Three hours.**

Prerequisite: History 242.

Purpose: This course is sequential to History 242, and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty, the struggle for empire, development of British Imperialism, parliamentary reforms of the nineteenth century, influence of political parties, England's place in the "Parliament of Men."

History 441. (Formerly History 341.) English History from 1603 to 1714.) **Two hours.**

Prerequisite: History 242.

Purpose: To study the Puritan and the English revolutions

and to give the English background of American History, together with some attention to historical literature of the period covered.

Topics: The Divine Right of James I and Charles I, religious and financial struggles of the time, parliamentary resistance to the first two Stuarts, the "Roundhead" Rebellion, and Charles II and James II and the English Revolution.

History 542. Seminar in English History. **Two hours.**

IV. KENTUCKY HISTORY

History 461. (Formerly History 361.) Kentucky History. **Two hours.**

Purpose: To make a general study of Kentucky history, and to attempt to show the student the wealth of material for the study of the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky; occasional excursions to places of historic interest will probably be taken.

Sociology

Mr. Keith

Mr. Hughes

Mr. Burns

Sociology 243. Rural Sociology. **Three hours.**

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life, movement of population, isolation of rural people, agricultural production, farm tenancy, rural health, rural home, rural churches, etc.

Sociology 331. Introduction to Sociology. **Three hours.**

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other social science courses; relation of living conditions to life; the problem of finding and using leaders; social achievements; man's relation to his institutions and his responsibility for them; the family, religion and morals.

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